# AUTHOR INDEX

(Names appearing in capital letters indicate authors of chapters in this volume.)


A

Aarli, J. A., 347
Aarons, R. D., 601
Abbott, N. J., 34
Abboud, R. T., 155
Abe, H., 104
Abe, T., 321-23
Abel, E. A., 238
Abel, P. W., 136, 142, 144
Abel, R. Jr., 422
Abita, J. P., 34, 372
Ablon, S. L., 163
Abood, L., 626
Abood, L. G., 213, 219, 220, 564, 566
Acheson, G. J., 25
Ackerman, A. B., 246
Adam, K. R., 31
Adam, P. A. J., 617
Adamec, J., 167
Adams, A. J., 421
Adams, B. L., 271
Adams, R., 152, 154
Adams, R. N., 343
Adams, W., 47
Adelman, W.J., 18
Adelstein, R. S., 372
Ader, R., 497, 503
Adjepon-Yamoah, K. K., 404
Adner, M. M., 347
Affrime, M., 408
Affrime, M. B., 50
Agard, D. A., 339
Aghajanian, G. K., 113, 117
Agnati, L. F., 102, 103, 117
Agnew, W. S., 24, 213
Agrup, G., 242
Ahlquist, R. P., 582
Ahmed, N. K., 372
Aikawa, J. K., 400
Airaksinen, M. M., 66, 67
Aitken, S. C., 434, 436
Akamatsu, K., 522
Akera, T., 28, 130, 141, 565
Albert, A., 262
Albert, D. M., 423
Alberti, K. G. M. M., 104, 105
Alberto, P., 213
Albuquerque, E. X., 26-28, 342, 354
Alderdice, M. T., 323
Alemà, S., 321-23
Alenius, S., 264, 266
Alexander, R. W., 596
Alfano, J., 373
Algeri, S., 58, 59, 543
Alimadadian, H., 503
Allegra, J. C., 434, 436
Allen, G. P., 269, 423
Allen, L. B., 266
Allen, M. D., 191, 194
Allen, T., 165
Allfrey, V. G., 377, 378
Allyn, B., 237
Almers, W., 20, 21
Alnaes, E., 309, 310
Aloj, S. M., 214-16
Alpers, H. S., 66, 67
Alpert, L. I., 348
Alsberg, P. A., 292, 300
Alsins, J., 238, 249
Alvares, A. P., 179, 184, 195
Alvarez-Ude, F., 48
Alworth, W. L., 525
Alzheimer, A., 537
Ambache, N., 314, 318
Ames, B. N., 523
Amico, L., 466
Amit, Z., 70
Amos, J. E., 418
Amsler, C., 558, 572
Amsterdam, A., 341
Anaise, D., 246
Anbar, M., 614
Anden, N.-E., 113
Anders, M. W., 616
Anderson, D. K., 136
Anderson, K. E., 179, 184, 195
Anderson, K. V., 400
Anderson, N. C., 19
Anderson, R. A., 421
Anderson, R. J., 45
ANDERSON, T. F., 235-57
Andersson, J., 370, 377
Andreasen, F., 50, 398
Andreasen, P. B., 404
Andrews, D. F., 460
Andrews, L. C., 296, 297, 299
Anggard, E., 616, 617
Angus, C. W., 343
Annis, D., 46
Anton, J. M. G., 91-93
Antonaccio, M. J., 120
Antoni, F., 369
Antony, A., 272
Anttila, M., 179, 185
Anwyl, R., 343
Appel, S. H., 343, 347
Appella, E., 515, 519, 522
Appler, M., 611
Aprigliano, O., 144
Aprison, M. H., 119
Aquilonius, S. M., 543, 546
Aquino, A. A., 370
Archer, R. (A.), 152, 154, 165, 166
Arendes, J., 260
Arentsen, J. J., 423
Arias, I. M., 46, 47
Arias, R., 470
Arima, K., 275
Armstrong, C. M., 16, 33
Armstrong, J. A., 423
Armstrong, R., 515, 519
Arnason, B., 348, 349
Arnason, B. G. W., 350
Arnett, C. D., 583
Arnold, A., 582
Arnold, O. H., 119
Arnold, S., 490, 492, 503
Arnsten, A., 106
Aromatorio, D. K., 363
Aronoff, M., 468
Aronow, W. S., 484, 503
Aronstam, R. S., 213
Arregui, A., 544
Arrigo, A., 347
Arutyunyan, A. A., 369, 377
Asberg, M., 119
Ascari, E., 347
Ascensao, V. F., 435
Ashby, C. D., 364, 365, 367, 375
Askenazi, J. J., 122
Askew, W. E., 69
Astrand, P. O., 500
Aswell, J. F., 269, 423
Atkinson, A. J. Jr., 47, 48, 613
Atkinson, D. E., 271
Atlas, D., 581, 582
Atwater, I., 553
Aurbach, G. D., 581, 582, 585, 589
Austin, G. E., 355
Autrup, H., 513, 523
Avant, G. R., 405, 408
Avery, G. S., 489, 490
Awan, N. A., 398, 490, 492, 495, 503
Awazi, N., 66
Awdry, P. N., 422
Axelrod, D., 213, 214
Axelrod, J., 210, 211
AzadianBoulanger, G., 431
Azarnoff, D. L., 49, 50
Azevedo, I., 64
Azhar, S., 215

Azmitia, E. C., 111
Azmitia, E. C. Jr., 570

B

Baba, A., 309, 312
Baba, S., 617
Babin, D. R., 31
Babinski, R. M., 471
Baccucheiit, F., 239, 241
Bachelor, F. W., 27
Bachrach, C. A., 291, 295, 296
Bachrach, W. H., 175
Baden, H. P., 237
Baer, R. L., 241
Baergen, R. N., 344, 347
Bagby, S. P., 45
Baglioni, C., 271
Bail, M., 59
Baird-Lambert, J., 64
Bajusz, S., 94, 96, 100, 104
Baker, D. B., 286, 290
Baker, D. T. Jr., 434
Baker, K. M., 58, 59
Baker, P. F., 22, 309, 553
Bakutis, E. V., 568
Balaram, P., 224
Balasubramaniam, K., 49
Baldessarini, R. J., 121
Balerna, M., 21, 22, 24, 30
Balia, T., 50
Ball, R., 398
Balsara, J. J., 121
Bandini, G., 35
Banerjee, S. P., 583, 586, 596, 598, 599
Bangham, A. D., 224
Bankas, V. S., 479
Baram, D., 165
Baran, L., 117
Barany, E. H., 421
Barbeau, A., 534
Barchas, J. D., 60, 66, 546
Barchi, R. L., 22, 24
Barcroft, J., 11
Barden, N., 217
Barenholz, Y., 209, 210
Barfknecht, R. L., 273
Barker, J. L., 544
Barlock, A., 434, 436
Barnabei, O., 210
Barnett, E. V., 351
Barnett, G., 626
Barnett, O. B., 584
Barnett, R. E., 201, 202
Barnola, F. V., 17, 19, 20, 29
Barr, G. A., 119
Barrantes, F. J., 212
Barrett, J. P., 484
Barrett, R. E., 65, 66
Barrington, C., 466
Barron, E., 47
Barry, H., 156, 157
Bartels-Bernal, E., 30
Bartfai, T., 213
Bartfeld, D., 342
Barton, J. O., 249
Bartova, A., 166
Bartsch, H., 523, 524
Bashford, C. L., 215, 216
Basaler, K. H., 47
Bastian, C. L., 300
Bastl, C., 47
Bates, H. A., 19
Bates, T. R., 174, 175
Baty, J. D., 611
Bauer, D. J., 265, 271
Bauer, E., 249
Bauer, R. J., 261, 273
Bauer, W., 90, 93, 100
Baughman, R. A. (Jr.), 398, 490, 492
Baughman, R. D., 247
Baumann, N., 223
Baumgold, J., 213
Bawden, D., 294
Bayer, A. E., 293
Bayerl, H., 566
Bayerle, H., 56
Bayne, W. F., 612
Beach, L. R., 268
Beaconsfield, P., 166
Beale, E. G., 367
Beall, G. N., 47
Beam, K. G., 369
Beare, A. S., 262, 270
Bearman, T. C., 290
Beasley, B. L., 540
Beauchamp, L., 265, 266, 272, 423
Beauchamp, R. O. Jr., 298
Beaudoin, D. M., 113
Beavo, J. A., 363-67, 372-74
Bechtel, P. J., 365-67, 373
Beck, J. L., 47
Beck, O., 618
Beckelhimer, M. A., 296
Becker, B., 418-20
Becker, Y., 263, 267, 271
Beckett, A. H., 221
Beddell, C. (R.), 85-87, 89-94, 96, 105
Beerman, B., 189-91, 194
Beers, W. H., 313
Begley, M., 600
Beguinot, F., 320
Beinert, H., 554
Beland, F. A., 513, 523
Belisario, J. C., 245
Bell, R. M., 207, 213
Bellamy, G. (M.), 615, 616
Bellet, S., 399
Bellino, M., 307
Belluzzi, J. D., 100
Bender, A., 346, 349, 350
Bender, H. W., 348
Benedetti, E. L., 339
Benedetti, L., 338
Benedetto, A. V., 235
Beneski, D. A., 35
BENET, L. Z., 389-413; 389, 390, 392, 394, 398, 400, 403, 490, 492
Benhamou, J.-P., 403-5
Ben Hur, N., 246
Benjamini, E., 375, 377, 378
Benjo, B., 207, 217
Benkert, O., 119
Bennett, J. P. Jr., 113, 544, 547
Bennett, V., 204, 215
Bennett, W. M., 45, 408
Benowitz, N. (L.), 393, 396, 400
Bentley, P., 514, 515, 518, 519, 524
Benyesh-Melnick, M., 274
Benzer, T. I., 19, 20, 24
Berardi, A. C., 156-58
Berchtold, G. A., 522
Berens, S. C., 499, 503
Beress, L., 34-36
Beress, R., 34
Beretta, E., 191, 192
Berger, C. L., 350
Berger, P. A., 60, 546
Bergfeld, W. F., 246
Berglund, L., 370, 377, 378
Bergman, C., 34
Bergmann, J. E., 271
Bergstrom, K., 346, 347, 351
Berkoben, J., 496
Berkowitz, B. A., 560
Berkowitz, D., 400
Berkson, J., 455
Berlin-Wahlen, A., 188, 189
Bernard, P., 29
Bernatz, P. R., 345, 349
Bernheim, M. L. C., 12
Bernheimer, H., 543
Bernstein, H. J., 296, 297, 299
Bernstein, L., 486
Berntson, G. G., 81, 87, 89, 91-93
Bersohn, I., 47
Berthelson, S., 583
Bertilsson, L., 119
Bertolino, A., 61, 63
Bertsche, O., 136
Berzétei, I., 94, 96, 100
Besch, H. R. Jr., 596
Besser, G. M., 104, 105
Besson, J.-M., 120
Bevan, A., 293, 295
Bevan, S., 341-43
Bevilocqua, R., 239, 241
Bewtra, A., 600
Beyer, R., 260, 267, 272
Bezanilla, F., 16, 33, 553
Bhargava, H. N., 557, 559

Bialasiewicz, A. A., 355
Bianchetti, G., 47
Bickel, M. H., 224
Bickel, P. J., 460
Bickers, D. R., 241
Bidder, T. G., 61
Biely, P., 275
Biemond, A., 347
Bigalke, H., 315
Bigdeli, M. G., 58
Bigger, J. F., 162
Bigger, J. T., 398
Biggio, G., 570
Bilello, J. A., 267
Bilezikian, J. P., 597, 598
Bill, A., 421
BIRD, E. D., 533-51; 534, 537, 539, 541, 543-45, 547
Birdsall, N. J. M., 87
Birmingham, M. K., 166
Birnbaumer, L., 208, 210, 217, 218, 585
Bishopric, N. H., 590, 600
Biswas, R. K., 250
Bittenbender, J. B., 536
Bittlingmaier, K., 260, 272
Bizzini, B., 319
Bjorkhem, I., 611
Blachly, P., 468
Black, A.K., 242
Black, G. L., 245
Black, H., 47
Black, H. R., 611, 614, 616
Black, H. S., 244, 245
Black, M., 46, 47
Black, P., 319
Black, R., 466, 467
Blackmore, P. F., 584
Blake, J., 81
Blakis, M., 471
Blalock, A., 348
Blamey, R. W., 433
Blanchard, W. B., 154
Blaschke, T., 398
Blaschke, T. F., 405-8
Blaschko, A., 1
BLASCHKO, H. (K. F.), 1-14; 5, 7, 8, 11-13
Bläsig, J., 105, 557, 565
Blatt, C. M., 121
Blaustein, M. P., 553, 569
Blecker, D. L., 50
Bleehen, S. (S.), 238, 248
Blehm, D. J., 481
Bleich, H. L., 238, 247-49
Blender, S. L., 246
Blessed, G., 539
Blickenstaff, T., 65
Blobstein, S. H., 513, 523
Block, G. E., 433
Blomqvist, G., 500
Blomstrand, R., 611
Bloom, F. E., 66
Bloom, S. R., 104, 105
Blough, H. A., 274
Blum, K., 59, 67, 68
Blumberg, H., 464
Blume, A. J., 566
Blumenthal, D. K., 371, 372
Blundell, J. E., 119
Boadle-Biber, M. C., 553, 570
Boakes, R. J., 117
Bobek, M., 268
Bock, E., 338
Bock, K. D., 498
Bocksaert, J., 113
Bodemar, G., 186, 188
Bodin, N. O., 188, 189
Boehme, D. H., 375, 376
Boettger, H. G., 61
Boezi, J. A., 264
Bogdanski, D. F., 138
Bogentoft, C., 179, 183, 186, 189, 611
Boger, W. P. III, 419, 420
Boggan, W. O., 156, 157
Bohr, D. F., 138
Bohr, V., 241
Bolli, P., 490
Bolme, P., 102, 103
Bolton, T. B., 131, 133, 134, 140
Bon, C., 324
Bonaccorsi, A., 138
Bonadonna, G., 434
Bond, W. H., 159
Bonnet, K. A., 570
Bonta, I. L., 117
Boobis, S. W., 50
Boone, R. J., 270
Booth, V., 262
Bopp, L. H., 272
Boquet, P. L., 559
Borchardt, R. T., 62, 270
Borden, C. W., 498
Bordiu, F., 239, 241
Bordner, J., 19
Bordy, T. M., 565
Borek, E., 261, 270
Borer, J. S., 480
Borgå, O., 47, 50
Borgen, A., 513, 523
Borison, H. L., 159, 160
Borkman, R. F., 247
Born, M., 2
Bornstein, P., 276
Boroff, D. A., 313, 314, 316
Borondry, P. E., 260
Borowitz, J. L., 176
Borowski, E., 583, 584
Borris, D. P., 212
Bors, P. H., 422
Borzini, P., 347
Bose, D., 136
Bosman, H. B., 212
Boucher, R., 496
Boudreau, R. J., 553
Bouloy, M., 270
Boulton, A. A., 59
Boulton-Jones, J. M., 351
Bourgeois, J.-P., 338
Bourgoin, S., 113, 372
Boutagy, J., 612
Bouton, M. M., 431
Boutwell, R. K., 244
Bowden, M., 60
Bowen, D. M., 539
Bower, J. D., 85, 86, 89, 91, 94
Bowers, M. B. Jr., 121
Bowersox, D. W., 47
Bowie, D. L., 87, 89, 90
Bowman, E. R., 556
Bowman, F., 556
Bowman, K., 162
Box, G. E. P., 445
Boyd, N. D., 338
Boyer, G. J., 19
Boyle, D., 251
Boza, A., 399
Brabson, J. S., 24, 213
Bracken, M. C., 297, 300
Brackett, N. L., 368
Bradbury, A. F., 85-87, 89
Bradford, H. A., 467, 468
Bradford, H. F., 318
Bradham, L. S., 553
Bradley, P. B., 117
Bradley, R., 102, 103
Bradley, R. M., 215
Bradley, S. E., 403, 404
Brady, R. O., 204, 205, 214, 215
Braga, P. C., 556
Brahen, L. S., 471
Brammell, H. L., 601
Brammer, K. W., 262
Bramowitz, A. D., 499, 503
Brancaccio, D., 47
Branch, R., 397
Branch, R. A., 396, 402, 404, 405, 408
Branciforti, A., 543
Brandhorst, T., 294-96, 299
Brandt, J. L., 174
Brandt, M., 98, 570
Brannon, E. S., 496
Braude, M. D., 464
Braun, S., 209
Braun-Falco, O., 238, 243, 247, 249
Braunwald, E., 476, 486
Brawerman, G., 267
Bray, D., 319
Brazil, O. V., 324
Breck, G. D., 612
Breckenridge, B. M., 553, 570
Bredberg, A., 240, 241, 246
Breen, K. J., 394
Breimer, D. D., 405

Breithaupt, H., 308, 321, 322
Brender, D., 140
Brenner, W., 238, 243
Brennhovd, I., 436
Breslin, C., 424
Bresnick, E., 517
Breter, H. J., 267
Brettell, H. R., 400
Bridger, W. H., 119
Bridges, B. A., 244
Briffa, D. V., 238
Brigati, D. J., 436
Brigdon, W. D., 418
Briggs, I., 117
Briggs, W. (A.), 46, 47, 50, 399
Bright, T. P., 155
Brightman, V. J. F., 422
Brill, L., 464, 467
Brine, D. R., 611
Brink, J. J., 260, 267
Brisson, A., 324, 338
Brockman, R. W., 275
Brodde, O.-E., 598
Brodie, B. B., 138
Brodie, H. K. H., 60, 547
Brodie, M. J., 408
Brodthagen, H., 251
Brody, T. M., 28, 130, 141
Brogden, R. N., 489, 490
Brøgger, A., 246
Brooker, G., 589, 593
Brookes, P., 513, 523, 524
Brooks, C. J., 612
Brooks, S. C., 430, 432, 433
Brooks, V. B., 314, 318
Brossi, A., 66
Brostrom, C. O., 363, 570
Brothers, C. R. D., 533
Brown, D. C., 422
Brown, D. J., 155, 167
Brown, E. M., 582, 585, 589
Brown, F. R., 321
Brown, G. B., 18, 24
Brown, H., 47, 58, 59
Brown, J. J., 496
Brown, M., 104
Brown, M. S., 18
Brown, R. E., 363
Brown, R. F. C., 27
Brown, S. B., 346
Brown, T. C., 582
Brown, Z. W., 70
Browne, R. G., 106
Brownell, B., 345
Brownlee, K. A., 455
Brox, L. (W.), 261, 273
Brubaker, R. F., 418
Bruce, W. W., 238, 249
Bruhn, J. G., 58
Brundage, B. (H.), 482, 489, 497, 500, 502, 503
Brundrett, R. B., 611
Bruni, A., 64
Brunk, S., 165
Brunner, H. R., 497, 498
Brunner, N. G., 349, 350
Brush, J. S., 372
Bryant, S. H., 27, 31
Bryce, G. F., 117
Buchan, C., 98
Buchanan, J., 539
Buchen, C., 570
Bucher, D., 270
Büchi, G., 27
Bucker, M., 525
Buckingham, J. M., 345, 349
Bucknall, R. C., 344
Buescher, H. H., 90, 93, 100
Buhs, R. P., 47
Bülbring, E., 139
Bullard, W. P., 553
Bullock, F. J., 49
Bunag, R. D., 498
Bunch, S. R., 292, 300
Buniva, G., 191, 192
Buntrock, R. E., 296
Burch, G. E., 498
Burchell, B., 514, 515, 518-20
Burgen, A. S. V., 87, 314
Burghardt, C. R., 64, 65, 67
Burichenko, V. K., 377
Burkard, W. P., 117
Burmeister, P., 105
Burns, R. P., 422
Burnside, J. M., 297
Buroker, T. R., 433
Bursey, J. T., 611
Burstein, S., 166
Burt, D. R., 224
Burt, J. E., 250
Busch, H., 271
Bush, D. M. H., 29
Buss, J. E., 366, 367, 371
Butcher, L. L., 115
Buthala, D. A., 262
Butler, J. R., 160, 163
Butler, M., 220
Buttrill, S. E. Jr., 614
Buus Lassen, J., 114
Bye, C., 186, 187
Bylund, D. B., 372, 377, 547
Bymaster, F. P., 113-15
Bynoe, M. L., 262

C

Cabrer, B., 363
Cadman, E. C., 269
Cahalan, M. D., 32
Calanca, A., 161
Calderini, G., 543
Calixto, S. L., 32
Calkins, D., 367, 375
Callahan, E., 470
Callingham, B. A., 205
Calvey, T. N., 348
Camargo, E., 274
Camejo, G., 19, 20
Cameron, J. S., 47
Camp, R. D., 242
Campa, J. F., 347, 350, 351
Campbell, A., 121
Campbell, A. M. G., 537
Campbell, D. E., 269, 423
Campbell, I. C., 119
Campbell, M., 342-44
Camus, J., 364, 365
Canale, P., 419
Candelaresi, G., 120
Cannon, P. J., 47
Canter, A., 165
Caporale, G., 239, 241
Capurro, N. L., 480
Caraceni, T., 543
Carbone, P. P., 430, 432
Carchman, R. A., 166, 565
Cardenas, H. L., 67, 554, 560-62, 564-67, 569
Cardinaux, F., 90, 93, 100
Cardon, P. V., 166
Carlini, E. A., 158
Carlson, J., 484
Carlsson, L., 179, 183, 186, 189
Carmichael, R. H., 614
Carmody, S., 489
Carnegie, P. R., 372, 377
Caro, A. J., 534, 547
Caro, S., 547
Caron, M. G., 581, 582, 585, 588, 593, 594
Caron, N. G., 87, 89, 91-93
Carpenter, C. C., 204, 215
Carpentier, J.-L., 594
Carr, K., 611, 618
Carrasco, L., 271
Carrella, M., 401
Carrier, O., 142
Carruthers, F. A., 238
Carson, D. A., 269, 273
Cartaud, J., 338, 339
Carter, A. C., 436
Carter, C. J., 121
Carter, M., 246
Carter, S. B., 58
Carter, T. P., 204, 205
Carter, W. A., 276
Caruso, T. P., 560
Casali, P., 347
Casey, D., 468
Cashaw, J. L., 58, 59, 61, 62
Casida, J. E., 514
Casnellie, J. E., 375, 376
Cassel, C. K., 344, 346, 349, 353
Castagna, M., 366
Castagnoli, N., 513, 523
Casteels, R., 130, 132-36
Castell, J. V., 90
Castleman, B., 346, 348, 349

Castleman, L., 174
Caswell, A. H., 327
Casy, A. F., 221
Cattell, McK., 8
CATTERALL, W. A., 15-43; 17, 20-24, 26-30, 32-36
Cattieu, K. A., 375, 376
Cavness, C., 163
Ceccarelli, B., 307-9, 311, 313, 317
Cely, W., 156, 157
Centifanto, Y. M., 422, 423
Cerreta, K. V., 556, 565
Chadwick, D., 121
Chalgren, S. D., 264
Challoner, A. V. J., 250
Chan, J. T., 244, 245
Chan, K., 348
Chan, S. T., 208
Chandler, J. H., 534
Chandler, W. K., 16
Chandorkar, A. G., 121
Chang, C. C., 314, 321-24
Chang, H. W., 338
Chang, J.-K., 85, 87, 89, 90, 93, 94, 99, 100
Chang, K.-J., 85-87, 89-94, 96, 105
Chang, N., 372
Chang, R., 179, 184, 195
Chang, R. L., 516, 523, 524
Chang, S. L., 322
Chang, T., 260, 262
Chang, W. C., 81
Changeux, J. P., 30, 32, 211-13, 324, 338, 339
Chanock, R. M., 270, 274
Chapa, I. A., 422
CHAPMAN, D. B., 553-79
Chappel, N. N., 467
Charen, T., 291, 295, 296
Charness, M. E., 583, 584
Charnock, J. S., 69
Chase, T. N., 542, 544-47
CHATTERJEE, K., 475-512; 476, 477, 479-86, 488-90, 492, 497, 500, 502, 503, 506
Chau-Pham, T. T., 85, 93, 94
Cheigh, J., 47, 49
Cheigh, J. S., 45
Chen, A., 597
Chen, C. C., 292
Chen, G. S., 314
Chen, I. L., 323, 324
Chen, M. S., 265, 268, 269, 272
Chen, T. F., 322-24
Chen, Y. M., 324, 325
Chen, Y. S., 202
Cheng, Y. C., 268, 269
Chesher, G. B., 156, 157, 164
Chester, A. B., 159, 160, 166
Chiappa, S. A., 537, 544
Chicheportiche, R., 21, 22, 24, 30, 32, 33
Chidsey, C. A. III, 489
Chihara-Nakashima, M., 368, 372
Chin, L., 156, 157
Ching, L. M., 525
Chinn, S., 270
Chiou, C. Y., 418
Chiu, T. H., 327
Cho, A. K., 609, 615
Cho, J. S., 212, 213, 221, 567
Cho, T. M., 212, 213, 221, 224, 567
Chonette, D., 475
Chorev, M., 95
Chorzelski, T., 247
Chou, C.-K., 373
Chou, P.-H., 120
Chou, P. Y., 378
Christie, L. G., 476, 477
Christophe, J., 364, 365
Christophers, E., 238, 241, 251
Chuck, L., 480
Chupriyanova, N. E., 224
Church, A. C., 68
Ciaraldi, T. (P.), 596-99
Cirksena, W. J., 47
Claassen, V., 114
Claeys, M., 612
Clahsen, J. C., 177, 179, 188-91
Clardy, J., 19
Clark, A. G., 570
Clark, A. W., 307-10
Clark, D. G., 212
Clark, E. C., 353
Clark, J. H., 152, 154
Clark, R. B., 85-87, 89-94, 96
Clark, W. G., 547
Clarke, C., 344, 347
Clarke, D. E., 105
Clarke, W. R., 583
Claus, T. H., 370, 371, 374
Clayton, R., 243
Cleaver, J. E., 245
Clemens, J. A., 104, 113, 120
Clemens, M. J., 363
Clements, J. A., 188
Clifton, B., 318
Clineschmidt, B. V., 113, 120
Clody, D. E., 546
Closs, L. E., 436
Closse, A., 90, 93, 100
Cloud, R., 347
Cloud, T. M., 247
Clouet, D., 467
Clouet, D. H., 570
Clough, D. L., 145
Coakes, R. L., 418
Coaskey, L., 260
Cobb, S., 422
Cocchi, D., 104
Cochran, K. W., 263
Cochrane, C., 340-42
Coffey, J. J., 49
Coffino, P., 373, 593, 595
Cogan, J., 484
Coggins, C. J., 45
Cohan, S. L., 348
Cohen, A., 273
Cohen, E., 65
Cohen, G., 55-57, 59, 62-66, 72
Cohen, J. B., 36, 338
Cohen, J. L., 436
Cohen, J. N., 65
Cohen, L. F., 243
Cohen, P., 364-66, 368-70, 372, 374, 376-78, 592
Cohen, R. S., 308
Cohen, R. V., 47
Cohen, S., 594
Cohen, S. S., 260, 265, 272
Cohlmia, J. B., 49
Cohn, J. N., 403, 404, 476, 484-86, 495, 496, 498, 502, 503
Cohn, K., 47, 396, 400
Cohn, M., 29
Cohnitz, C. H., 67, 69
Coignet, J. L., 117
Cokely, H., 344
Colbert, A. W., 294
Colburn, R. W., 554
Cole, H. A., 371
Cole, J. D., 421
Cole, R. S., 237, 239, 241
Coleman, J. E., 522
Coleman, M., 121
Coleman, R., 201
Collier, B., 322
Collier, J. G., 497
Collins, A. C., 61, 62
Collins, I. S., 490
Collins, M. A., 56, 58, 59, 61, 63, 66, 68, 72
Collins, P., 265
Collinsworth, K. A., 47
Colman, R. W., 209, 219
Colombo, G., 237
Colquhoun, D., 19-21
Colvin, M., 611
Colwell, J. A., 47
Comin, J., 56
Compans, R. W., 270
Connealy, P. M., 534
Conney, A. H., 179, 184, 195, 513, 516-24, 612
Connor, J. A., 137
Connor, J. D., 113
Conolly, M. E., 600
Consiglio, E., 215, 216
Consolazione, A., 543
Consroe, P. (F.), 156-58
Constantine, J. W., 489
Constantino, R. T., 396

Breithaupt, H., 308, 321, 322
Brender, D., 140
Brenner, W., 238, 243
Brennhovd, I., 436
Breslin, C., 424
Bresnick, E., 517
Breter, H. J., 267
Brettell, H. R., 400
Bridger, W. H., 119
Bridges, B. A., 244
Briffa, D. V., 238
Brigati, D. J., 436
Brigdon, W. D., 418
Briggs, I., 117
Briggs, W. (A.), 46, 47, 50, 399
Bright, T. P., 155
Brightman, V. J. F., 422
Brill, L., 464, 467
Brine, D. R., 611
Brink, J. J., 260, 267
Brisson, A., 324, 338
Brockman, R. W., 275
Brodde, O.-E., 598
Brodie, B. B., 138
Brodie, H. K. H., 60, 547
Brodie, M. J., 408
Brodthagen, H., 251
Brody, T. M., 28, 130, 141
Brogden, R. N., 489, 490
Brøgger, A., 246
Brooker, G., 589, 593
Brookes, P., 513, 523, 524
Brooks, C. J., 612
Brooks, S. C., 430, 432, 433
Brooks, V. B., 314, 318
Brossi, A., 66
Brostrom, C. O., 363, 570
Brothers, C. R. D., 533
Brown, D. C., 422
Brown, D. J., 155, 167
Brown, E. M., 582, 585, 589
Brown, F. R., 321
Brown, G. B., 18, 24
Brown, H., 47, 58, 59
Brown, J. J., 496
Brown, M., 104
Brown, M. S., 18
Brown, R. E., 363
Brown, R. F. C., 27
Brown, S. B., 346
Brown, T. C., 582
Brown, Z. W., 70
Browne, R. G., 106
Brownell, B., 345
Brownlee, K. A., 455
Brox, L. (W.), 261, 273
Brubaker, R. F., 418
Bruce, W. W., 238, 249
Bruhn, J. G., 58
Brundage, B. (H.), 482, 489, 497, 500, 502, 503
Brundrett, R. B., 611
Bruni, A., 64
Brunk, S., 165
Brunner, H. R., 497, 498
Brunner, N. G., 349, 350
Brush, J. S., 372
Bryant, S. H., 27, 31
Bryce, G. F., 117
Buchan, C., 98
Buchanan, J., 539
Buchen, C., 570
Bucher, D., 270
Büchi, G., 27
Bucker, M., 525
Buckingham, J. M., 345, 349
Bucknall, R. C., 344
Buescher, H. H., 90, 93, 100
Buhs, R. P., 47
Bülbring, E., 139
Bullard, W. P., 553
Bullock, F. J., 49
Bunag, R. D., 498
Bunch, S. R., 292, 300
Buniva, G., 191, 192
Buntrock, R. E., 296
Burch, G. E., 498
Burchell, B., 514, 515, 518-20
Burgen, A. S. V., 87, 314
Burghardt, C. R., 64, 65, 67
Burichenko, V. K., 377
Burkard, W. P., 117
Burmeister, P., 105
Burns, R. P., 422
Burnside, J. M., 297
Buroker, T. R., 433
Bursey, J. T., 611
Burstein, S., 166
Burt, D. R., 224
Burt, J. E., 250
Busch, H., 271
Bush, D. M. H., 29
Buss, J. E., 366, 367, 371
Butcher, L. L., 115
Buthala, D. A., 262
Butler, J. R., 160, 163
Butler, M., 220
Buttrill, S. E. Jr., 614
Buus Lassen, J., 114
Bye, C., 186, 187
Bylund, D. B., 372, 377, 547
Bymaster, F. P., 113-15
Bynoe, M. L., 262

C

Cabrer, B., 363
Cadman, E. C., 269
Cahalan, M. D., 32
Calanca, A., 161
Calderini, G., 543
Calixto, S. L., 32
Calkins, D., 367, 375
Callahan, E., 470
Callingham, B. A., 205
Calvey, T. N., 348
Camargo, E., 274
Camejo, G., 19, 20
Cameron, J. S., 47
Camp, R. D., 242
Campa, J. F., 347, 350, 351
Campbell, A., 121
Campbell, A. M. G., 537
Campbell, D. E., 269, 423
Campbell, I. C., 119
Campbell, M., 342-44
Camus, J., 364, 365
Canale, P., 419
Candelaresi, G., 120
Cannon, P. J., 47
Canter, A., 165
Caporale, G., 239, 241
Capurro, N. L., 480
Caraceni, T., 543
Carbone, P. P., 430, 432
Carchman, R. A., 166, 565
Cardenas, H. L., 67, 554, 560-62, 564-67, 569
Cardinaux, F., 90, 93, 100
Cardon, P. V., 166
Carlini, E. A., 158
Carlson, J., 484
Carlsson, I., 179, 183, 186, 189
Carmichael, R. H., 614
Carmody, S., 489
Carnegie, P. R., 372, 377
Caro, A. J., 534, 547
Caro, S., 547
Caron, M. G., 581, 582, 585, 588, 593, 594
Caron, N. G., 87, 89, 91-93
Carpenter, C. C., 204, 215
Carpentier, J.-L., 594
Carr, K., 611, 618
Carrasco, L., 271
Carrella, M., 401
Carrier, O., 142
Carruthers, F. A., 238
Carson, D. A., 269, 273
Cartaud, J., 338, 339
Carter, A. C., 436
Carter, C. J., 121
Carter, M., 246
Carter, S. B., 58
Carter, T. P., 204, 205
Carter, W. A., 276
Caruso, T. P., 560
Casali, P., 347
Casey, D., 468
Cashaw, J. L., 58, 59, 61, 62
Casida, J. E., 514
Casnellie, J. E., 375, 376
Cassel, C. K., 344, 346, 349, 353
Castagna, M., 366
Castagnoli, N., 513, 523
Casteels, R., 130, 132-36
Castell, J. V., 90
Castleman, B., 346, 348, 349

Castleman, L., 174
Caswell, A. H., 327
Casy, A. F., 221
Cattell, McK., 8
CATTERALL, W. A., 15-43; 17, 20-24, 26-30, 32-36
Cattieu, K. A., 375, 376
Cavness, C., 163
Ceccarelli, B., 307-9, 311, 313, 317
Cely, W., 156, 157
Centifanto, Y. M., 422, 423
Cerreta, K. V., 556, 565
Chadwick, D., 121
Chalgren, S. D., 264
Challoner, A. V. J., 250
Chan, J. T., 244, 245
Chan, K., 348
Chan, S. T., 208
Chandler, J. H., 534
Chandler, W. K., 16
Chandorkar, A. G., 121
Chang, C. C., 314, 321-24
Chang, H. W., 338
Chang, J.-K., 85, 87, 89, 90, 93, 94, 99, 100
Chang, K.-J., 85-87, 89-94, 96, 105
Chang, N., 372
Chang, R., 179, 184, 195
Chang, R. L., 516, 523, 524
Chang, S. L., 322
Chang, T., 260, 262
Chang, W. C., 81
Changeux, J. P., 30, 32, 211-13, 324, 338, 339
Chancock, R. M., 270, 274
Chapa, I. A., 422
CHAPMAN, D. B., 553-79
Chappel, N. N., 467
Charen, T., 291, 295, 296
Charness, M. E., 583, 584
Charnock, J. S., 69
Chase, T. N., 542, 544-47
CHATTERJEE, K., 475-512; 476, 477, 479-86, 488-90, 492, 497, 500, 502, 503, 506
Chau-Pham, T. T., 85, 93, 94
Cheigh, J., 47, 49
Cheigh, J. S., 45
Chen, A., 597
Chen, C. C., 292
Chen, G. S., 314
Chen, I. L., 323, 324
Chen, M. S., 265, 268, 269, 272
Chen, T. F., 322-24
Chen, Y. M., 324, 325
Chen, Y. S., 202
Cheng, Y. C., 268, 269
Chesher, G. B., 156, 157, 164
Chester, A. B., 159, 160, 166
Chiappa, S. A., 537, 544
Chicheportiche, R., 21, 22, 24, 30, 32, 33
Chidsey, C. A. III, 489
Chihara-Nakashima, M., 368, 372
Chin, L., 156, 157
Ching, L. M., 525
Chinn, S., 270
Chiou, C. Y., 418
Chiu, T. H., 327
Cho, A. K., 609, 615
Cho, J. S., 212, 213, 221, 567
Cho, T. M., 212, 213, 221, 224, 567
Chonette, D., 475
Chorev, M., 95
Chorzelski, T., 247
Chou, C.-K., 373
Chou, P.-H., 120
Chou, P. Y., 378
Christie, L. G., 476, 477
Christophe, J., 364, 365
Christophers, E., 238, 241, 251
Chuck, L., 480
Chupriyanova, N. E., 224
Church, A. C., 68
Ciaraldi, T. (P.), 596-99
Cirksena, W. J., 47
Claassen, V., 114
Claeys, M., 612
Clahsen, J. C., 177, 179, 188-91
Clardy, J., 19
Clark, A. G., 570
Clark, A. W., 307-10
Clark, D. G., 212
Clark, E. C., 353
Clark, J. H., 152, 154
Clark, R. B., 85-87, 89-94, 96
Clark, W. G., 547
Clarke, C., 344, 347
Clarke, D. E., 105
Clarke, W. R., 583
Claus, T. H., 370, 371, 374
Clayton, R., 243
Cleaver, J. E., 245
Clemens, J. A., 104, 113, 120
Clemens, M. J., 363
Clements, J. A., 188
Clifton, B., 318
Clineschmidt, B. V., 113, 120
Clody, D. E., 546
Closs, L. E., 436
Closse, A., 90, 93, 100
Cloud, R., 347
Cloud, T. M., 247
Clouet, D., 467
Clouet, D. H., 570
Clough, D. L., 145
Coakes, R. L., 418
Coaskey, L., 260
Cobb, S., 422
Cocchi, D., 104
Cochran, K. W., 263
Cochrane, C., 340-42
Coffey, J. J., 49
Coffino, P., 373, 593, 595
Cogan, J., 484
Coggins, C. J., 45
Cohan, S. L., 348
Cohen, A., 273
Cohen, E., 65
Cohen, G., 55-57, 59, 62-66, 72
Cohen, J. B., 36, 338
Cohen, J. L., 436
Cohen, J. N., 65
Cohen, L. F., 243
Cohen, P., 364-66, 368-70, 372, 374, 376-78, 592
Cohen, R. S., 308
Cohen, R. V., 47
Cohen, S., 594
Cohen, S. S., 260, 265, 272
Cohlmia, J. B., 49
Cohn, J. N., 403, 404, 476, 484-86, 495, 496, 498, 502, 503
Cohn, K., 47, 396, 400
Cohn, M., 29
Cohnitz, C. H., 67, 69
Coignet, J. L., 117
Cokely, H., 344
Colbert, A. W., 294
Colburn, R. W., 554
Cole, H. A., 371
Cole, J. D., 421
Cole, R. S., 237, 239, 241
Coleman, J. E., 522
Coleman, M., 121
Coleman, R., 201
Collier, B., 322
Collier, J. G., 497
Collins, A. C., 61, 62
Collins, I. S., 490
Collins, M. A., 56, 58, 59, 61, 63, 66, 68, 72
Collins, P., 265
Collinsworth, K. A., 47
Colman, R. W., 209, 219
Colombo, G., 237
Colquhoun, D., 19-21
Colvin, M., 611
Colwell, J. A., 47
Comin, J., 56
Compans, R. W., 270
Conneally, P. M., 534
Conney, A. H., 179, 184, 195, 513, 516-24, 612
Connor, J. A., 137
Connor, J. D., 113
Conolly, M. E., 600
Consiglio, E., 215, 216
Consolazione, A., 543
Consroe, P. (F.), 156-58
Constantine, J. W., 489
Constantino, R. T., 396

Conlessa, A. R., 64
Conti, C. R., 476, 477, 485
Conti, F., 21
Conti, M. A., 372
Contreras, A., 271
Cook, C. E., 46, 47
Cooler, P., 161
Coombes, J. D., 262
Cooper, B., 596
Cooper, D., 211, 213
Cooper, J., 338
Cooper, J. R., 309, 312, 325, 326, 328
Cooper, M. J., 616
Cooper, R. A., 209, 210, 219
Copelan, H. W., 152, 166
Coper, H., 60, 69
Coppola, J. A., 65
Coquil, J.-F., 365
Corbett, J. J., 176
Corbett, J. L., 318
Corbin, J. D., 364-67, 369-74, 378, 379
Corcoran, M. E., 156, 157
Corey, S. P., 142
Cormane, R. H., 238
Corne, S. J., 113
Corner, B., 537
Corrick-West, H. P., 179-81, 190, 191
Corvi, G., 186, 187, 189
Coscia, C. J., 55
Cosmides, G. J., 286
Costa, E., 69, 367, 378, 570, 617
Costa, J. L., 119
Costall, B., 67, 68, 121
Coster, D. J., 423
Cote, L. J., 539
Cottam, G. L., 370
Coulam, C. B., 355
Couraud, F., 29, 32, 34, 35
Courtney, R. J., 274
Cousens, K., 164
Coverstone, M., 581, 582
Cowan, A., 102, 103, 105
Cowen, M. E., 260
Cox, B., 156, 157
Cox, B. M., 467
Cox, D. R., 445
Cox, J., 119
Cox, J. W., 296
Cox, P. J., 615
Coy, D. H., 81, 87, 89, 91-93, 104
Craig, W., 50
Crampton Smith A., 318
Crane, A. R., 246
Craven, C. J., 319
Craves, F., 223
Craviso, G. L., 97
Crawford, A. C., 309
Crawford, J., 466
Creese, I., 224, 584
Crexells, C., 476
Cripps, D. J., 238, 243
Crisologo, N., 612
Crocker, T. T., 513, 523
Croll, M. N., 400
Crone, H. D., 18
Cronholm, B., 119
Crouthamel, W. G., 399, 400
Crowley, W. J., 347
Croy, D. J., 117
Cuatrecasas, P., 81, 85-87, 89-94, 96, 98, 105, 203, 204, 215-17
Cubeddu-Ximenez, L., 592, 593
Cubelli, R. J., 597, 598
Cudihee, R., 47, 396
Cuendet, J. F., 161
Cuervo, L. A., 18
Cull-Candy, S. G., 307, 316-18, 323, 324, 342, 343, 354
Culp, B., 342
Cummins, J. T., 61
Cunha-Melo, J. R., 32
Cunningham, C. C., 201
Curre, C. L., 485
Currie, B. L., 275
Curry, S. H., 401
Curtis, B. M., 568
Curtis, D. R., 318
Curtis, J. R., 47
Curtiss, C., 496, 498
Curtius, H.-C., 618
Curzon, G., 542-44
Cusan, L., 104
Custer, R. P., 246
Cuthbert, A. W., 205
Cutler, S. J., 433
Cutter, R. W., 546
Czlonkowski, A., 121

D

Dabrowska, R., 363
Dafeldecker, W. P., 68
Dahl, C. J., 164
Dahlqvist, U., 370, 377
Dahlqvist-Edberg, U., 370
Dahlstrom, B., 611
Daile, P., 377
Dall 'Acqua, F., 237, 239, 241
Dall'Olio, A., 543
Daly, J. (W.), 26-28, 30, 513-16, 518, 520-22, 525, 554
D'Amico, D. J., 117
Damle, V. N., 338, 354
Danahy, D. T., 484, 503
Dang, C. C., 525
Daniel, E. E., 130-32, 137, 139, 141
Daniels, F., 244, 245
Danielson, K., 188-91, 193
Danielson, T. J., 59
Dansette, P. M., 517, 518, 520-24
Dargie, E. N., 400
Dargie, H., 400
D'Arrigo, J. S., 24
Darvey, H., 513, 523
DasGupta, B. R., 313
Dashwood, M. R., 104
DAU, P. (C.), 337-62; 342, 344, 346, 347, 349, 352-54
Dausse, J.-P., 583
Davenport, H. W., 175
David-Pfeuty, T., 339
Davidson, L., 541
Davidson, S. M., 249
Davies, B. H., 154-56
Davies, D. S., 611
Davies, G., 422
Davies, J. E., 114
Davies, O. L., 443, 445, 448, 449
Davies, P. J. A., 375, 376
Davis, A., 250
Davis, C. T., 245
Davis, C. W., 365, 366, 368, 369
Davis, D. L., 496
Davis, E., 485
Davis, E. V., 262
Davis, J. M., 554
Davis, J. N., 342, 596
Davis, J. O., 496
Davis, J. P., 158
Davis, K. H., 161
Davis, K. L., 546
Davis, R., 497
Davis, V. E., 55, 56, 58, 59, 61-63, 66, 67, 72
Davison, A. N., 539
Dawkins, R. L., 347
Dawson, D. J., 319
Dawson, G., 222
Day, A. R., 85, 93, 94
Day, C. W., 201
Day, W. A., 154
Dayhoff, M. O., 214
Daynes, R. A., 243
Dayton, P. G., 485
Deakin, J. F. W., 120
Dean, J. (C.), 159, 160, 166
Dearborn, E. H., 176
DeBarry, J., 29
De Boer, B., 563
Decamps, J., 273
De Carlin, M. C., 212
deChamplain, J., 496
Decker, W. J., 297
De Clercq, E., 268, 269, 272, 273
Dedman, J. R., 367
Deeprose, R. D., 266, 273
de Fine Olivarius, B., 121

de Freudenreich, J., 47
DeGracia, C., 466
DeGroat, W. C., 318
Deguchi, T., 26, 28, 32, 33
de Guzman D., 494
De Hüen, C., 208, 217
DEITRICH, R. (A.), 55-80; 67, 70, 72
deJonge, H. R., 367, 374-76
De La Vega, C. E., 121
del Castillo, J., 307, 314, 316
DeLean, A., 583, 585-89, 594
Delespesse, G., 347
Delhanty, J. D. A., 237
Delitala, G., 104, 105
DeLorenzo, R. J., 553, 570
de los Reyes, O., 249
del Pozo, E., 105
Demaille, J. G., 367, 368, 377
de Maine, J. B., 47
DeMaria, A. N., 484, 490, 492, 503
DeMarinis, R. M., 522
Dembiec, D., 65, 66
Demel, R. A., 208
de Miranda, P., 265, 266, 272, 423
DeMontigny, C., 69
Denbeigh, P., 408
Deniau, J.-M., 113
Denis, G., 563
Denney, D. D., 468
Dennis, M. J., 343
Denton, C. R., 235, 237, 238
Denys, E. H., 344, 346, 349, 352-54
DePasquale, N. P., 498
DePierre, J. W., 514
De Plazas, S. F., 206, 207, 212
DeQuoy, P. R., 250
de Ridder, J. J., 611
De Robertis, E., 206, 207, 212, 224
Derouaux, M., 156, 157
Derrington, D.C., 106
Desaiah, D., 568
Descamps, J., 268, 269
Descatoire, V., 403-5
De Schepper, P. J., 47
Desmond, P. V., 405
DeSombre, E. (R.), 433, 435, 436
DeStefano, E., 423
Detrick, L. E., 558, 572
Dettbarn, W. D., 348
Dettli, L., 45-47
Deulofeu, V., 56
Devaux, P. (F.), 324, 338
deVellis, J., 593
de Vos, C. J., 117
Devynck, M. A., 559
Dewey, W. L., 85, 93, 94, 164-66, 556, 565
de Wolff, R. A., 249
Dexter, L., 500
DeYoung, E. N., 262
Dheer, S., 100
Diamond, G., 475
Diamond, J., 318
Dibner, M. D., 67, 584
DiCioccio, R. A., 260, 265
Dickens, F., 314
Dickenson, A. H., 120
Diecke, F. P. J., 564
Dietrich, R. A., 62
Diffey, B. L., 249, 250
DiFrancesco, C., 224
Di Fronzo, G., 434
Dikstein, S., 205, 213
Diliberto, E. J. Jr., 210, 211
Dills, W. L. Jr., 364, 366
DiMascio, A., 164
Dimpfel, W., 315, 319, 320
Dininger, N. B., 104
Diniz, C. R., 31
Dionne, V. E., 339
Dipple, I., 218, 219
DiReda, L., 63
Di Renzo, G., 120
Dittmar, P. G., 291, 296
Dix, D. E., 269
Dixon, A. S. J., 344
Dixon, G. H., 369, 376, 377
DIXON, W. J., 441-62; 453, 455, 456, 460, 461
Do, H. M. T., 434, 436
Do, K. Q., 90
DoAmaral, J. R., 60
Dobersen, M. J., 269
Doboel, M. C., 435
Doherty, J. E., 400
Dohlman, C. H., 422
Dolman, L., 408
Domin, B. A., 268
Dominguez, J. G., 91-93
Domino, E. F., 611
Domke, H. F., 247
Donatsch, P., 309
Donlon, J., 372
Donlon, M. A., 322
Donnelly, E. F., 547
Donnelly, T. E. Jr., 368, 369
Dorigen, J., 297, 300
Dorr, R. T., 159, 160, 166
Dorrier, C., 467, 468
Dorval, J. C., 247
Dostrovsky, J. O., 120
Doszkocs, T. E., 295, 298
Dougan, D., 55
Dougherty, T. J., 251
Dourmashkin, R., 263
Dowdall, M. J., 321-23, 328
Downes, J. M., 347
Downie, A. W., 271
Doxey, J. C., 102, 103, 105
Drach, J. C., 260, 261, 264, 265, 267, 269, 270, 272
Drachman, D. B., 316-18, 341, 343, 344, 346, 354
Draffan, G. H., 609
Dray, A., 117
DRAYER, D. E., 45-54; 46-48
Dren, A. T., 154, 164, 165
Dresner, A. J., 422
Dretchen, K. L., 348
Drew, A. L., 534
Dreyfuss, J., 398
Dring, L. G., 47
Dromgoole, S. H., 50
Droogmans, G., 130, 132-34
Drummond, G. I., 553
Drust, E. G., 113
Duane, D. D., 344-46, 350, 353
Dubbs, D. R., 268, 269
DuBois, G. C., 515, 519, 522
Dubois, J. M., 34, 36
Duchen, L. W., 318, 319
Duckert, A., 47
Ducrey, N., 161
Dudek, B. C., 68
Duell, E. A., 237, 239, 249
Duff, R. G., 264
Dufton, P. A., 238
Duksin, D., 276
Dunai-Kovács, Z., 94, 100
Duncalf, D., 85
Duncan, C., 70, 72
Dundee, J. W., 46
Dunkley, P. R., 372
Dunn, G. D., 394
Dunnett, C. W., 176
Dupont, A., 104
Dupont, E., 121
Dupont, R., 626
Durand, D. P., 264
Durante, P., 47
Durden, D. A., 59
Duriseti, L., 600
Durston, W. E., 523
duSouich, P., 174, 402, 405
Dutcher, J. S., 48, 613
Dutta, A. S., 81, 84-87, 89-96, 100, 102, 105
Dvonch, W., 100
Dwivedi, C., 156, 157
Dyakonova, M. V., 318
Dyer, R. L., 614
Dyer, S. (A.), 215, 216, 320
Dzindzio, B. S., 399

E

Eaglstein, W. H., 242
Eaker, D., 321-25, 328
Earl, K. M., 537
Eastwood, J. B., 47
Eaton, G. J., 246
Eberle, A. N., 90

Eccles, J. C., 318
Eckernas, S. A., 543, 546
Eckert, G. E., 498
Edelen, J. S., 400
Edelman, G. M., 312
Edelman, I., 220, 221, 565
Edelman, M., 520-22
Edery, H., 164
Edge, J. E., 297
Edidin, M., 202, 203
Edlund, B., 370, 377-79
Edman, P., 31
Edwards, C. R. W., 104, 105
Edwards, P. N., 263
Eggers, H. J., 263
Eggleston, J. C., 349
Ehrenstein, G., 16, 22, 23
Ehringer, H., 538
Ehrl, H., 583, 584
Ehrlich, Y. H., 570
Ehrnebo, M., 191, 193, 249
Ehrsson, H., 191, 193, 249, 615
Ehyai, A., 348
Eiferman, R. A., 423
Einarson, B., 338-43
Einhorn, L., 162
Einhorn, L. H., 159, 160, 166
Eisenach, J. C., 338
Eisert, R., 408
Eisner, H. J., 176
Ekenved, G., 179, 183, 186, 189
Ekman, P., 370, 377
Elashoff, J. D., 461
Eldefrawi, A. T., 211-13
Eldefrawi, M. E., 211-13
Elferink, J. G., 224
Elias, S. (B.), 343, 347
Elion, G. B., 48, 265, 266, 268, 272, 351, 423
Elkayam, U., 492
Ellenhorn, M. J., 261
Elliott, G. A., 262
Elliott, G. R., 60, 66
Elliott, H. W., 559
Elliott, R. L., 179-81, 190, 191
Ellis, G., 48
Ellis, R. S., 433
Ellison, E. D., 423
Ellman, G. L., 224
Ellory, J. C., 24
Elmqvist, D., 343
El-Rafai, M. F., 584
Elsevier, D. B., 540
El-Sharkawy, T. Y., 137, 139
Elston, C. W., 433
Emerson, T. E. Jr., 498
Emson, P. C., 324, 325, 544
Enami, H., 243
End, D., 565
End, D. W., 372
Endo, T., 583, 584
Engbaek, F., 121
Engel, A. G., 340, 341, 343, 354
Engel, J., 115
Engel, S. L., 498
Engel, W. K., 347, 351
Engelfriet, C. P., 344, 346
Engelhard, V. H., 219
England, P. J., 363, 371, 374
Engle, B., 431
Englert, E. Jr., 47
English, M. L., 91
Engström, L., 370, 377-79
Enjalbert, A., 113
Enna, S. J., 224, 547
Enriquez, P., 349
Ensinger, M. J., 270
Epstein, J. H., 237, 238, 243, 248
Epstein, M. H., 484
Epstein, S. E., 480
Epstein, S. M., 526
Erdelyi, E., 60
Erdmann, G., 320
Erickson, C. K., 67
Eriksson, B., 261, 264, 266
Eriksson, L. C., 514
Erlich, Y. H., 375, 376
Erlichman, J., 367, 373
ERWIN, V., 55-80
Esaki, K., 243
Esher, G. C., 432
Esko, J. D., 219
Eskola, J., 243
Ettinger, S., 342
Eulitz, M., 34
Evans, D. A. P., 485
Evans, G. H., 395
Evans, J. L., 547
Evans, L., 119, 343
Evans, M., 61
Evans, M. A., 155
Evans, M. H., 18, 19, 23
Everingham, M., 164
Evoy, W. H., 314, 316
Excell, B. J., 324
Extein, I., 106
Exton, J. H., 584

F

Fabian, F., 369
Fabre, J., 47
Fabre, L. (F.), 162, 163
Faed, M. J. W., 246
Faggioni, R., 161
Fahey, P. F., 214
Fahn, S., 122, 539, 546
Fahrenholtz, K. E., 154
Fahrlaender, H., 520
Fain, J. N., 597, 598
Fairchild, E. J., 297
Fakhuri, L. R., 106
Falke, D., 260, 272
Falkner, F. C., 612
Fallen, E. L., 483
Fambrough, D. M., 339, 341, 343, 354
Fang, V. S., 69, 104, 120, 365
Farago, A., 369
Farber, E., 526
Farber, E. M., 238, 248
Fariello, R. G., 156, 157
Farmer, M., 224
Farmer, P. B., 615
Farmer, P. S., 81
Farr, H. W., 475
Fasman, G. D., 378
Fassina, G., 64
Faulkner, S. L., 348
Faxon, D. P., 496
Fealey, T. E., 436
Fedak, S. A., 581
Fedan, J. S., 134, 135, 141, 143
Federman, P., 363
Feeney, D. M., 156-58
Feibel, R. M., 27, 31
Feig, P., 45
Feillon, E., 84, 85
Feinberg, I., 163
Feldberg, W., 103, 104
Feldberg, W. F., 85, 86, 89
Feldman, H. A., 583
Feldman, M. S., 479
Feldman, S., 175, 393
Feldmann, R. J., 296, 297
Feldstein, M. L., 433
Felig, P., 47
Felix, D., 318
Felix, H., 271
Feller, D. R., 63, 64
Feltkamp, T. E., 344, 346, 347, 350
Feng, H., 348
Fenichel, G. M., 348
Fenichel, R. L., 104
Fenoglio, C. M., 421
Fenselau, C., 611
Fenton, C. M., 47
Feramisco, J. R., 370, 373, 377, 378
Ferguson, H. C., 176
Ferguson, K. M., 595
Fernstrom, J. D., 117
Ferrari, M., 64
Ferreira, S. H., 498
Ferrer, M. I., 500
Ferri, S., 104, 556
Ferrini, R., 117
Fertel, R., 87, 89, 91-93
Fertuck, H. (C.), 343, 348
Fessler, R. G., 104, 120
Fibiger, H. C., 543
Field, J. B., 217, 218
Fields, J. Z., 543
Fillion, G. M. B., 113
Fillion, M.-P., 113

Fink, G., 95, 537, 544
Fink, M., 464, 466, 467, 469
Finkelstein, A., 309
Finkelstein, F. O., 47
Finland, M., 47
Finlayson, N. D. C., 404
Finnerty, F. A., 484
Finter, N. B., 263
Fisanick, W., 296
Fischbarg, J., 421
Fischbeck, K. H., 344
Fischer, E. H., 367, 368, 375, 377
Fischer, G., 222, 223
Fischer, K., 223
Fischer, T., 238, 249
Fisher, E. H., 363
Fisher, L. A., 120
Fisher, M., 47
Fisher, R. D., 348
Fishman, J., 85
Fishman, P. H., 204, 205, 214, 215
Fishman, R. A., 489
Fiszer, S., 224
Fitch, W. M., 214
Fitchett, D. H., 503
Fitzgerald, M. X., 155
Fitzpatrick, T. B., 235, 237-39, 241-45, 247-51
Flaim, S. F., 481, 496
Fleischer, N., 373
Fleming, H., 436
FLEMING, W. W., 129-49; 134-36, 138-44
Flessas, A., 496
Fletcher, P. L., 31
Fletcher, R. D., 263
Flexner, A., 4
Flier, J. S., 355
Floc'h, F., 274
Flockerzi, V., 364, 366, 368, 369
Flockhart, D. A., 365-67, 371, 373, 374
Flom, M. C., 421
Floyd, T., 163
Flynn, N. W., 614
Fog, R., 106
Fohlman, J. P., 321-25, 328
Folca, P. J., 429
Foldes, F. F., 85
Foley, K., 49
Follenfant, R., 86, 105
Fong, B. T. W., 85, 87, 89, 90, 93, 94, 99, 100
Fontenelle, L. J., 261
Ford, G. C., 613
Foreman, G., 299
Formaniak, M., 564
Formby, B., 206
Forn, J., 375, 553, 570
Forney, R. B., 155-57, 167
Forrest, A. D., 547
Forrest, A. P. M., 430, 432
Forrest, J. A. H., 404
Forrester, J. S., 475, 476, 482, 483
Forster, W., 272
Forsyth, R. P., 396
Forth, W., 174
Fortune, D. H., 121
Fosset, M., 21, 22, 29, 30, 34, 35
Foster, A. B., 615
Foster, C. H., 522
Foster, C. S., 423
Foster, W. R., 299
Fothergill, L. A., 85, 93, 94
Foulkes, D. M., 47
Fourcans, B., 328
Fournie-Zaluski, M. C., 84, 85
Fowler, L. R., 27
Fowler, P. J., 121
Fox, A. D., 422
Fox, M. P., 272
Fox, S. W., 271
Fox, W., 262
Fraenkel-Conrat, H., 321, 324
Frain-Bell, W., 238, 246, 249
Früki, J. E., 243
Franciosa, J. A., 484-86, 495, 496, 498, 502, 503
Frank, I. M., 155, 161
Frank, M., 28
Frank, M. S., 467, 468
Franke, V., 264
Frankenhauser, B., 553
Frank I. R., 421
Franklin, K. J., 2
Fransson, L., 186, 188
Frazier, D. T., 23
Frederickson, R., 400
Frederickson, R. C. A., 84, 87, 93, 94, 100, 102, 104
Freed, S., 212
Freedman, A. M., 464-67, 469
Freedman, B., 430, 432
Freedman, D. X., 156, 157
Freeland, R. G., 291, 296
Freeman, R. G., 247
Freeman, S. E., 18
Freer, R. J., 85, 93, 94
Frei, E. (III), 159, 160
Freire-Maia, L., 32
Freis, E. D., 488, 498
French, E. D., 120
Frenk, E., 238
Frenning, D. H., 435
Freycht, P., 216
Fried, J. B., 297
Fried, P. A., 156, 157
Fried, R. C., 569
Friedell, G. H., 432
Friedhoff, A. J., 60, 222, 557, 566
Friedman, C. L., 145
Friedman, E., 119
Friedman, M. A., 166
Friedman, N., 186, 187
Friedman, S. M., 145
Friedman-Kien, A. E., 423
Friedrich, E. G., 262
Friedrich, U., 373
Fries, E. D., 484
Frigerio, A., 58, 59
Frishman, W., 492
Fritchie, G. E., 63, 69
Fritsch, P. (O.), 238, 243, 251
Fritz, H., 34
Fritze, D., 346
Frolich, J. C., 611, 618
Fromageot, P., 559
Frontali, N., 307-9, 311
Fry, L., 243
Frye, L. D., 203
Fuccella, L. M., 186, 187, 189
Fuchs, S., 341, 342
Fuhrman, F. A., 18, 24
Fuji, M., 557
Fujimoto, J. M., 156, 157, 563
Fujimura, T., 241
Fujitaki, J., 261, 270
Fukawa, M., 349
Fukui, Y., 276
Fukuyama, K., 237
Fuller, J. L., 68
FULLER, R. W., 111-27; 113-15, 117, 120, 121
Fulpius, B. W., 211, 213, 351
Funk, S. A., 291, 296
Furgiuele, A. R., 117, 119
Furman, P. A., 265, 266, 268, 272, 423
Furmanski, P., 430, 432, 433
Furnas, B. (E.), 159, 160, 166
Furuichi, Y., 270
Futterman, S., 67
Futuro-Neto, H. A., 32
Fuxe, K., 102, 103, 113, 115, 117, 543, 544
Fyfe, J. A., 265, 266, 268, 272, 423

G

Gacel, G., 84, 85
Gaensler, E. A., 155
Gaetjens, E., 436
Gaffney, T. E., 65
Gal, E. M., 115
Gal, J., 601, 615
Galant, S. P., 600
Gale, J. S., 544
Galegov, G. A., 264
Gallet-Bourquin, D., 431
Galli, C., 223
Galli, C. L., 617
Galli, D. R. C., 223

Galper, J. B., 29
Gambertoglio, J. G., 45
Game, C. J. A., 318
Gammon, D. E., 597, 598
Gancarczyk, L., 117
Gange, R. W., 238
Ganong, W. F., 120, 175
Ganu, V. S., 525
Ganz, W., 475, 476, 483
Gaoni, Y., 152, 154
Garattini, S., 58, 59, 120
Garay, R. P., 599
Garfield, E., 290
Garland, W. A., 179, 184, 195, 611, 612
Garon, M., 104
Garrett, H., 245
Garrett, K. M., 564, 567
Garrett, N. J., 539
Garriott, J. C., 156, 157
Garsky, V., 104, 567
Garvey, W. D., 285, 289
Gaskell, S. J., 612
Gasparo, M., 47, 50
Gauri, K. K., 273
Gavras, H., 496-98
Gazith, J., 249
Gaztanaga, P., 464
Gealken, R. L., 379
Geinisman, Y. Y., 318
Gelberg, H. (J.), 482, 489, 500, 502
Gelboin, H. V., 513, 521-24
Geller, I., 117
Genest, J., 496
Genkins, G., 346, 349, 350
Genner, J., 251
Gentry, G. A., 268, 269, 423
George, R., 120
George, W. J., 371
Gerin, J., 274
Gershon, S., 119, 554, 558, 562, 563
Gerstner, H. B., 298
Gerthoffer, W. T., 134, 135, 143
Getson, A. J., 419
Gewirtz, D., 466
Ghani, M. F., 65
Ghazarossian, V. E., 19, 24
Ghosh, J. J., 563, 568
Ghosh, S. K., 568
Giambalvo, C. T., 225
Giardina, E.-G. V., 398
Gibaldi, M., 174, 175, 390, 393, 402, 405, 407
Gibbons, J. L., 119
Gibson, P. N., 539
Gibson, S. L., 433
Gibson, T. C., 347
Gibson, T. (P.), 46, 47
Gid-Ad, I., 104
Gielen, J. E., 514
Gilchrest, B., 238, 248, 249
Gill, D. M., 204
Gill, G. N., 364-67, 369-72
Gill, S. S., 514
Gillespie, C. J., 290, 294
Gillespie, H. K., 152, 163, 166
Gillespie, J. E., 419
Gillette, J. R., 393, 407, 513
Gillis, C. N., 553
Gilman, A., 485
Gilman, A. G., 210, 218, 585, 595
Gilmore, E., 485
Ginos, J. Z., 121
Ginsburg, C. M., 177, 179, 188-91
Ginsburg, J., 166
Giovine, A., 61, 63
Gipson, I., 421
Girsault, J.-M. T., 121
Girotti, F., 543
Giudicelli, Y., 598
Giuntoli, R. L., 274
Glaeser, B. S., 540
Glantz, S. A., 480
Glascock, R. F., 429
Glaser, M., 208, 219
Glasgow, L. A., 263
GLASS, D. B., 363-88; 368, 370, 373, 377-79
Glasser, A., 117
Glatt, H. (R.), 514, 524, 525
Glaubiger, D. L., 243
Glaubiger, G., 601
Glavinović, M., 322
Glazer, M., 470
Glazer, R. I., 267
Glazko, A., 47
Glazko, A. J., 47, 260
Glick, E. N., 344
Glinski, W., 245
Glogner, P., 47
Glowinski, J., 113
Gluckman, M. I., 100
Gluckstein, F. P., 298
Glusman, M., 119
Glynne, A., 186, 187
Gnegy, M. E., 570
Go, V. L. W., 405
Godwin, S. F. R., 224
Goeckermann, W. H., 236
Goedermans, W. T., 263
Goerke, J., 321
Goerz, G., 249, 251
Goethals, M., 418
Goiny, M. R., 113
Golan, M. (D.), 518, 525
Gold, B. I., 498
Gold, G. J., 570
Gold, M. S., 106
Goldberg, N. D., 365, 376
Goldenberg, I. S., 432
Goldfarb, A., 251
Goldfien, A., 584, 628
Goldfien, R. D., 584
Goldman, A. I., 435
Goldman, B. D., 544
Goldman, S., 400
Goldsby, R. A., 263
Goldsmith, S. R., 503
Goldstein, A., 221, 467, 626
Goldstein, M., 119, 554
Goldstein, R. E., 480
Golondeowski, O., 467, 468
Golper, T., 45
Gomeni, R., 47
Gomez, M. V., 31, 32
Gommi, B. W., 223, 224
Gonzalez, C., 367, 375
Gonzalez, E., 238, 243
Gonzalez, R. L., 347
Goodlet, I., 114
Goodman, L. S., 156, 157, 485
Goodman, M., 95
Goodwin, D. W., 165
Goodwin, F. K., 106, 163
Goodwin, J. F., 503
Goodwin, R., 163, 164
Goohra, R., 423
Goos, S. M., 31
Gorden, P., 216, 594
Gore, S. M., 430, 432
Gore, T. B., 593
Gorio, A., 308-13, 317, 318
Gorlin, R., 489, 492
Gormley, J. J., 81, 84-87, 89-96, 100, 102, 105
Gorodetzky, C. W., 463
Goswami, B., 261, 270
Goto, K., 134, 135, 138-43
Gottlieb, T. B., 489
Götz, M., 27
Goudie, A. J., 120
Goujon, F. M., 514
Goulbourn, R. A., 186, 187
Gould, A. L., 419
Gould, I. A., 155
Gould, P. W., 238, 246, 249, 251
Govindachari, T. R., 59
Gower, P. E., 47
Goz, B., 266, 269, 272
Gradidge, T. J., 315
Grady, M. M., 569
Graf, L., 94, 96, 100
Graham, F. L., 272
Graham, G. G., 390, 392
Graham, J. D. P., 154-56
Grahame-Smith, D. G., 113
Granata, F., 307, 309
Granger, P., 496
Grant, C. M., 202, 216
Grant, M. M., 484
Grant, N. H., 104
Grantham, P. A., 325, 328
Grasso, A., 312

Graves, D. J., 372, 375, 377, 378
Gray, R., 483
Grazia, Y. R., 544
Graziani, G., 47
Greaves, M. W., 242
Greaves, S., 467
Green, A. R., 113
Green, D. P. D., 24
Green, H. O., 69
Green, K., 162, 166, 420, 612, 618
Green, L., 434, 436
Green, M., 266
Green, M. L., 160, 163
Greenacre, J. K., 600
Greenberg, B. (H.), 484-88, 506
Greenberg, D. A., 581, 582, 584, 590
Greenberg, I., 466
Greenberg, R. S., 57
Greenblatt, D. J., 191, 194
Greenburg, S., 564
Greene, G. L., 436
Greenfield, P. S., 503
Greengard, P., 363-65, 369, 372-76, 553, 570
Greenough, W. B., 204, 215
Greenstein, R., 467
Greenwald, J., 174
Greenwood, B. M., 347
Greer, S., 269
Gregg, B., 617
Gregg, C., 617
Gregg, J. M., 161
Gregory, E. J., 433
Gregory, M., 430
Greiter, F., 249
Greither, A., 394, 400
Gribic, M., 497, 498
Grierson, I., 421
Griffin, A. C., 244-47
Griffin, D. E., 344
Griffin, J., 320
Griffin, M. J., 526
Griffiths, K., 433
Grigson, S. J. W., 613
Grijsen, H., 117
Grisham, C. M., 201, 202
Grishin, E. V., 33
Grob, D., 346, 349, 350
Grohovaz, F., 313
Grollman, E. F., 320
Groschinsky-Grind, M., 189-91, 194
Gross, F., 498
Grossman, M. I., 461
Grossweiner, L. I., 241
Groszmann, R. (J.), 403, 404
Groth, J., 221, 565
Grover, P. L., 513, 523, 524
Growdon, J. H., 546
Grozmann, R. J., 65
Gruber, C. M. Jr., 611, 614, 616
Grunberg, E., 263
Grunberger, J., 119
Grundfest, H., 18, 21
Grunfield, Y., 164
Grunhagen, H., 338
Gschnait, F., 238, 242, 243, 248, 249
Guellaen, G., 600
Guengerich, F. P., 515, 518-20
Guerrero, M. L., 565
Guerrero-Munoz, F., 565
Guest, K. P., 85, 86, 89, 91, 94
Gugler, R., 49, 50
Guicheney, P., 599
Guidotti, A., 69, 367, 378, 570
Guillemin, R., 85, 87, 91, 93, 104
Guillory, R. J., 24
Guiloff, R., 537
Guldberg, H. C., 66
Gullis, R., 570
Gumpert, J., 542, 544
Gumulka, W., 121
GUNDERSEN, C. B. JR., 307-36; 314-16, 324
Gunne, L.-M., 616
Gupta, K. K., 271
Gurgo, C., 266
Gurrola, M., 31
Gusik, S., 570
Gustafson, C., 291, 296
Gustafsson, B., 188, 189
Gustafsson, J.- Å., 431
Gustafsson, S. A., 431
Gustavsson, D., 324
Guthrow, C. E., 597
Gutman, A. B., 48
Guyon, A., 97
Guyton, A. C., 314
Gyermek, L., 117

H

Haas, H. G., 19
Haas, N., 471
Haass, A., 400
Haber, B., 117
Haberman, C. B., 297
Habermann, E., 308, 315, 319-22
Habig, W. (H.), 215, 216, 320
Hachey, D. L., 609, 612
Hadden, J. W., 375, 376
Haddox, M. K., 365, 376
Haddy, F. J., 136, 145, 498
Haefely, W., 117
Hafemann, D. R., 19, 20
Haff, R. F., 263
Haga, K., 210, 218
Haga, T., 210, 218
Hagemeijer, F., 397
Hager, L. P., 201
Hahn, E. F., 85
Hahn, F. E., 273
Hähnel, R., 432
Haigler, H. J., 113, 117
Hailey, D. M., 187
Hajra, A. K., 215
Hakim, R. E., 244-47
Haldane, J. S., 11
Haley, B. E., 375
Hall, C. L., 365, 369, 372
Hall, J. L., 293, 294, 296
Hall, Z. W., 338, 344
Hallett, M., 121
Halliday, D., 609
Halloran, G., 467
Hallquist, S. L., 179, 182, 190
Halpern, B. L., 274
Halpert, J., 321
Halushka, P. V., 57
Ham, J., 389
Ham, M. T., 156, 157
Hamana, K., 369, 379
Hambrook, J. M., 87, 89
Hamet, P., 365
Hamilton, M. G., 59, 64, 67, 68
Hammerstrom, L., 346
Hammock, B. D., 514
Hamon, M., 113, 372
Hampel, F. R., 460
Hamprecht, B., 98, 223, 570
Han, C.-S., 120
Hancock, A. A., 583
Handa, B. K., 86, 89, 91
Handin, R. I., 596
Handschumacher, R. E., 269
Haniu, M., 34
Hanke, C. W., 251
Hanley, M. R., 324, 325
Hanlon, T. E., 471
Hanna, N., 467
Hannigan, J. J., 66, 68
Hannuksela, M., 238, 249
Hano, K., 554, 559, 560, 571, 572
Hanoune, J., 600
Hansen, N. E., 246
Hansen, S., 538-40, 545, 546
Hanski, E., 209, 210
Hanson, A., 189, 190
Hansson, C., 242
Hansten, P. D., 629
Hanzlik, R. P., 520-22
Harakal, J. J., 164
Harary, H., 222, 223
Harasaki, H., 349
Harber, L. C., 241
Harber, M. J., 47
Harbin, R., 418
Harbin, T. S., 420
Harbison, R. D., 156, 157
Hardegree, C., 215, 216

Hardegree, M. C., 320
Harden, T. K., 592, 595, 600
Hardman, J. G., 372
Hardy, G. W., 85-87, 89-94, 96
Hare, M. L. C., 12
Hare, T. A., 540
Harigaya, S., 64
Harley, E. M., 273
Harmatz, J. S., 191, 194
Harper, C. E., 155
Harper, R. A., 243
Harrington, T. R., 250
Harris, A. J., 314-17
Harris, C., 513, 523
Harris, J. B., 322, 325
Harris, L. S., 85, 93, 94, 164-66
Harris, R. A., 67, 221-23, 554, 555, 558, 561, 562, 564, 569, 572
Harrison, D., 398
Harrison, D. C., 47, 396
Harrison, E. G., 345, 349
Harrison, S. J., 215, 216
Hart, D. R. L., 422
Hart, R., 506
Hart, R. W., 244
Hartig, P. R., 338
Hartmann, R. J., 117
Hartshorne, D. J., 363
Hartshorne, R. P., 21, 24, 33-35
Harvey, D. J., 612
Harvey, J. A., 115
Harvey, R. G., 513, 523
Harvey, R. M., 500
Harvey, T. M., 611
Hashimoto, E., 368, 369, 372, 379
Hashimoto, K., 246, 247
Hashimoto, Y., 18
Haskins, N. J., 613
Hathaway, D. R., 372, 596
Hattenhauer, M. T., 479
Hattori, K., 61, 62
Hau, G., 274
Haubrich, D. R., 546
Hauser, D., 90, 93, 100, 581, 582, 589
Hauser, K. L., 114
Havard, C. W. H., 347
Havener, W. H., 416
Havlicek, V., 556
Hawgood, B. J., 324
Hawkins, D. T., 293, 299
Hawkins, R. A., 430, 432
Haybittle, J. L., 433
Hayes, B., 215
Hayes, J., 48
Hayes, P., 394
Haynes, F. W., 500
Hayward, C. F., 81, 84-87, 89-96, 100, 102, 105
Hazelbauer, G. L., 212
Heading, R. C., 188
Hearst, J. E., 251
Heat, R. B., 262
Heath, R. G., 544
Hecht, S. M., 271
Heck, H. d'A., 614
Heel, R. C., 489, 490
Hegstrand, L. R., 372
Heidelberger, C., 265, 272, 422, 513
Heideman, S., 521
Heidrich, G., 49
Heikkila, R. E., 65, 66
Heiligstädt, H., 242
Heimans, R. L. H., 559
Heinemann, S., 339, 341-43
Heise, R., 56
Held, H., 408
Helfant, R. H., 479
Helge, H., 617
Helgstrand, E., 261, 264, 266
Heller, S. R., 296, 297
Helmreich, E. J. M., 208
Helting, T. B., 319, 320
Henderson, G., 555
Henderson, J. F., 261, 273
Henderson, R., 17, 19-22, 24
Hendler, R., 47
Hendon, R. A., 321
Hendricks, D. D., 294
Hendrickx, H., 130, 132, 133, 135, 136
Hensby, C. N., 242, 249
Henseler, T., 251
Hensen, S. A., 422
Hepler, R. S., 161, 421
Hepner, G. W., 397
Herbert, C. M., 405
Herbst-Laier, R. H., 262
Herfst, M. J., 249
Herman, M. V., 492
Herman, T. S., 159, 160, 166
Hermanovich, J., 495
Hermsmeyer, K., 138, 144, 145
Hernandez, O., 513, 516, 523, 524
Herrmann, C., 344, 346
Hersch, R., 466, 467
Herschfield, M. S., 260
Hersey, D. F., 295, 298, 299
Hertel, G., 351
Hertting, G., 114
Hery, F., 113, 372
Herz, A., 105, 222, 223, 557, 565
Herzog, W. H., 27, 31
Hesch, R. D., 355
Hesketh, T. R., 218, 219
Hess, H. J., 489
Hess, P., 570
Heuser, J. E., 323, 324, 339, 343
Heuson, J. C., 433, 435
Hewer, A., 513, 523
Hewitt, P. F., 179, 180
Heyd, W., 553
Heyman, M., 489
Hickenbottom, J. P., 369, 370
Hickey, A. R., 589
Hickey, E. D., 271
Higashida, R., 484
Higgins, T. F., 484
High, J. P., 117, 119
Hiley, C. R., 547
Hilf, R., 433
Hill, A., 430, 432
Hill, M. A., 460
Hill, R. C., 90, 93, 100
Hill, S. Y., 165
Hille, B., 16-19, 21-23
Hiller, J. M., 220, 221, 565
Hillhouse, E. W., 120
Hillyard, I. W., 261
Hiltz, S. R., 289
Hine, B., 557, 566
Hingtgen, J. N., 119
Hinkley, D., 445
Hiramatsu, B., 497, 503
Hirata, F., 210, 211
Hironaka, T., 28, 29
Hirsch, F., 271
Hirst, M., 59, 64, 67, 68
Hitchings, G. H., 48, 351
Hitzemann, B. A., 565, 566
Hitzemann, R. (J.), 564-66
Hjelmquist, G., 370, 377
Ho, B. T., 63, 66, 67, 69
Ho, I. K., 568
Ho, M., 423
Hoag, W. G., 298
Hobbs, D. C., 490
Hoch, D. B., 72
Hochberg, E., 263
Hodes, D. S., 274
Hodge, L., 238
Hodges, J. L., 455
Hodgkin, A. L., 16, 138, 553
Hoefle, F. B., 421
Hoehn, M., 546
Hoekstra, W. G., 429
Hofer, H. W., 136
HOFFMAN, B. B., 581-608; 583, 587
Hoffman, G. J., 343
Hoffman, L., 341
Hoffmann, C. E., 263
Hoffmann, P. C., 57
Hofmann, C., 238, 240, 247, 249
Hofmann, F., 364-66, 368, 369, 373
Hofmann, W. W., 351
Hökfelt, T., 544
Hokkanen, E., 346
Holder, G., 524
Holdy, K. E., 364, 366

Holland, D. R., 121
Hollander, W., 484, 485
Hollenberg, M. D., 203, 204, 215, 217
Hollenberg, N. K., 497
Hollifield, J. W., 611, 618
Hollister, L. E., 152, 160, 163, 166, 546
Höllt, V., 565
Holman, M. E., 314
Holman, R. B., 66
Holmes, E., 471
Holmes, J. M., 215, 216
Holmgren, J., 204, 205
Holmstedt, B., 609
Holmstrand, J. H., 616
Holt, D. A., 553
Holt, J. A., 430
Holtman, H. W., 423
Holtz, P., 56, 64
Honecker, H., 61
Hong, E., 113
Hong, K., 202
Hong, R., 243
Hönigsmann, H., 238, 243, 248, 249, 251
Hope, D. B., 13
Hopf, A., 538
Hopkins, A., 174, 185
Hopkins, C. E., 244, 245
Hopkins, R. M., 65
Hopsu-Havu, V. K., 243
Horn, A. S., 60
Horne, D. J., 547
Horng, J. S., 114, 565
Hornykiewicz, O., 55, 538, 541, 543
Horowicz, P., 20, 33
Horowitz, S., 243
Horowitz, S. H., 346, 349, 350
Horowitz, Z. P., 117, 119
Horton, E. S., 47
Horton, J., 430
Horwitz, A., 213, 214
Horwitz, K. B., 436, 437
Hosey, M. M., 371, 372
Hoss, W., 213, 220, 564
Hossack, G., 187
Hosten, A. O., 485
Houde, R., 47, 49
Houde-Depuis, M., 571
Hough, G., 468
Houslay, M. D., 218, 219
Houssay, H. E. J., 500
Hovanessian, A., 363
HOWARD, B. D., 307-36; 308, 314-16, 321, 322, 325-28
Howard, F. M., 343, 345, 349, 354
Howard, F. M. Jr., 346, 347, 350, 351
Howard, M. M., 403
Howd, R. A., 113
Howden, M. E. H., 18
Howes, J. F., 166
Howieson, J., 121
Howlett, A. C., 595
Hoyumpa, A., 405, 408
Hsiao, K. C., 612
Hsu, L. L., 60
Huang, C.-H., 378
Huang, G. F., 273
Huang, H., 179, 180
Huang, J. J., 372
Huang, J-T., 66, 67
Huang, L. C., 378
Huang, L. M., 22, 23
Huang, M. C., 314, 322, 323
Huang, T. S., 363, 370, 373, 377
Huang, Y. C., 570
Hubbard, W. A., 419
Hubbard, W. C., 618
Hubbell, W. L., 202
Huber, P. J., 460
Huberman, E., 513, 523, 524
Hucho, F., 35, 213
Hudson, D., 95
Hudson, H. T., 250
Huet-Rose, R. A., 273
Huff, J. E., 298
Huff, K. K., 434, 436
Huffman, D. H., 49
Huffman, J. H., 266, 275
Hughes, D., 503
Hughes, F. W., 156, 157
Hughes, J., 81, 85, 87, 92-94, 555
Hughes, R., 314
Huguenin, R., 90, 93, 100
Huidobro-Toro, J. P., 560
Hull, D. S., 422
Hull, R. N., 104
Hulme, E. C., 87
Humble, E., 370, 377, 378
Hummel, D. J., 296
Humphreys, M., 484
Hunkeler, F. L., 369, 370
Hunt, J. N., 174, 175, 185
Hunt, L. T., 214
Hunter, K. R., 58
Huntington, G. S., 533, 536
Hurlbut, W. P., 307-11, 313, 317
Hurley, F. L., 467, 468
Hurwitz, L., 553
Hurwitz, S. H., 585
Hurzeler, M., 466
Hushon, J., 297, 300
Hutchins, J. W., 296
Hutter, A. M. Jr., 500
Huttunen, J. K., 370
Huxley, A. F., 16
Hwang, E. C., 121
Hyde, J. E., 251
Hydén, H., 553
Hyman, A. L., 484
Hynduik, R. A., 422
Hyttel, J., 114

I

Iacona, M., 485
Iampol'skaia, G. P., 224
Idänpään-Heikkila, J. E., 69
Ikai, I., 347
Iltis, J. P., 269
Imamura, S., 347
Imhoff, T. E., 405
Imura, H., 104
Inbar, M., 209, 219
Inbergaia, V. E., 224
Ingenito, A. J., 484
Inglis, J. M., 262
Inomata, H., 421
Inoue, M., 366, 368, 369
Insel, P. A., 209, 584, 589, 593, 595, 600
Inturrisi, C. (E.), 47, 49
Ippoliti, G., 347
Irvine, W. T., 429
Irving, C. S., 616
Isaac, L. S., 485
Isbell, A. F., 264
Ise, C., 347
Ishibashi, H., 370
Israili, Z. H., 485
Ito, A., 203
Ito, M., 526
Ito, T., 275
Ito, Y., 140, 342
Iversen, L. L., 60, 539, 541, 543-45, 547, 570
Iwai, K., 369, 379
Iwamoto, E. T., 555, 572
Iwasa, J., 28
Iwasaki, M., 313
Iwasaki, Y., 104
Iwasawa, Y., 64
Iwata, H., 557, 563
Izquierdo, I., 156, 157
Izumi, F., 212

J

Jablonska, S., 245
Jackson, D. M., 156, 157, 164
Jackson, J., 272
Jackson, L., 104, 397
Jackson, R., 1
Jacob, J. J., 113, 121
Jacob, M., 339
Jacob, S. T., 267
Jacobs, B. L., 113, 115, 118
Jacobson, H. I., 429
Jacobson, K., 214
Jacobson, M., 517
Jacoby, J. H., 113, 117
Jacquemin, C., 215

Jacques, Y., 34, 35
Jadhar, J. H., 121
Jaffe, J. H., 464, 467
Jahoda, G., 293
Jailon, P., 398
Jaimovich, E., 20, 33
Jain, M. K., 328
Jain, M. L., 568
Jakobs, K. H., 585
Jakobsen, P., 50
Jalfre, M., 117
James, J. (A.), 404, 408
James, M., 47
Jameson, H. D., 546
Jamieson, A. T., 268, 269, 423
Jan, L., 343
Jan, Y., 343
Jannetta, P. J., 423
Janski, A. M., 378
Jansson, S. E., 27
Jardine, I., 611
Jarett, L., 597
Jarman, M., 615
Jarvis, M. W., 18
Jarzabek-Chorzelska, M., 245, 247
Jaschke, E., 251
Jasinski, D. R., 464
Jawetz, E., 628
Jeffcoate, W. J., 104, 105
Jeffrey, A. M., 513, 522, 523
Jen, M.-F., 120
Jenden, D. J., 315, 324, 609
Jendrasiak, G. L., 219
Jeng, T. W., 321, 324
Jenne, J. W., 485
Jenner, P., 121
Jennette, K. W., 513, 523
Jensen, E. (V.), 429, 433, 435, 436
Jensen, J., 558
Jepson, C. N., 422
Jerina, D. M., 513-26
Jerkofsky, M., 269
Jerkofsky, M. A., 262
Jespersen, S., 121
Jessell, T. M., 544
Jhamandas, K., 571
Jindal, S. P., 612
Job, D. D., 137
Jocoy, M., 247
Jockes, A. M., 47
Johansen, S., 393
Johansson, N. G., 261, 264, 266
Johns, T. R., 347, 350, 351
Johnson, A. B., 537
Johnson, B. E., 238, 246, 249
Johnson, B. F., 186, 187
Johnson, C., 47
Johnson, C. I., 496
Johnson, D. A., 224
Johnson, D. W., 154
Johnson, E. M., 369, 375-78, 570
Johnson, E. M. Jr., 481, 553, 601
Johnson, G. L., 592
Johnson, J. C., 570
Johnson, M. A., 325
Johnson, M. R., 154, 165
Johnson, R. F., 404, 405, 408
Johnson, S. W., 290
Johnson, V. W., 496
Johnston, G. A. R., 318
Joklik, W. K., 271
Jones, A., 104, 105, 174
Jones, B., 156-58
Jones, B. R., 422, 423
Jones, D. G., 318
Jones, D. J., 561
Jones, M. T., 120
Jones, R., 163
Jones, R. T., 421
Jones, S. E., 159, 160, 166
Jonsson, G., 117, 543
Jordan, W. P., 247
Jorgensen, A., 106
Jorgensen, G., 268, 269
Jose, A. D., 486
Jover, E., 32, 34
Jović, R., 570
Judson, W. E., 484, 485
Julius, D., 464
Jungman, R. A., 372
Juppner, H., 355
Juskevich, J., 570, 571
Jusko, W. J., 175, 405

K

Kaakkola, S., 65
Kaback, H. R., 320
Kaback, M. B., 420
Kabouche, M., 115
Kadowitz, P. J., 371, 484
Kahela, P., 179, 185
Kahlenberg, A., 207, 217
Kahlmeter, G., 186-89
Kahn, C. R., 216
Kahn, J. L., 8
Kahn, R., 355
Kai, S., 349
Kaiko, R., 49
Kakiuchi, S., 570
Kaku, T., 565, 568
Kakunaga, T., 554, 558, 559, 565, 572
Kalden, J. R., 347
Kaley, M. M., 72
Kalhan, S. C., 617
Kalica, A. R., 274
Kalisker, A., 600
Kaluskar, R., 120
Kaluza, G., 274
Kamberi, I. A., 544
Kamenskaya, M. A., 324, 327
Kamme, C., 186-89
Kampf, A., 273
Kan, M.-N., 611
Kanazawa, I., 544
Kanda, M., 485
Kanders, F., 468
Kane, L. N., 434
Kaneto, H., 554, 557-60, 565, 568, 571, 572
Kanfer, J. N., 204, 205
Kannan, K. L., 296
Kanstein, C. B., 364, 366
Kao, C. Y., 18, 19, 21, 23, 133
Kao, I., 316-18, 343, 344, 346
Kapitulnik, J., 520, 523, 524
Kapoor, C. L., 367
Kappas, A., 179, 184, 195
Karaki, H., 138
Karja, J., 117
Kark, A., 348
Karki, N. T., 117
Karle, J. M., 516, 523, 524
Karler, R., 156, 157
Karlin, A., 211, 213, 338, 354
Karlsson, E., 308, 321, 322, 325
Karlsson, S., 85, 89, 94
Kartzinel, R., 546
Karvonen, J., 238, 249
Kasai, H., 513, 523
Kasel, J. A., 270
Kasprzak, H., 345, 348
Kass, M. A., 419
Kassebaum, L., 295
Kassis, V., 242
Kastin, A. J., 81, 87, 89, 91-93
Katakami, H., 369, 370
Kates, R., 398
Kato, A. C., 322
Kato, N., 263
Kato, S., 617
Kato, Y., 104
Katsuragi, T., 139, 140, 143
Kattau, R., 121
Katz, B., 315, 339, 553
Katz, E., 261, 271
Katz, F. H., 489
Katz, I. M., 419, 424
Katz, J. I., 424
Katz, S., 62, 63
Katzen, H. M., 204, 205
Kau, D. L., 611
Kau, S. T., 322
Kaubisch. N., 520, 525
Kauffmann, H., 69
KAUFMAN, H. E., 415-28; 270, 418, 422-24
Kaufman, J. E., 251
Kaufman, P. L., 421
Kaufman, S., 372
Kaul, P. N., 224
Kawamura, K., 275

Kaye, G. I., 421
Kaye, J. A., 245, 250
Kaye, N. W., 421
Kaymakcalan, S., 560
Kean, E. L., 222
Keegstra, K., 274
Keeler, R. F., 26, 28
Keely, S. L., 365
Keeney, R. E., 422
Keesey, J. (C.), 344, 346, 350
Keiding, S., 392, 393
Kellar, K. J., 66
Kellaway, G. S. M., 489
Keller, P. M., 265, 268, 423
Kelley, R. T., 484
Kelly, J. J., 174
Kelly, K. N., 430
Kelly, P. H., 67
Kelly, R. B., 321, 323, 327
Kelsey, W. H., 237, 239, 249
Kemp, B. E., 372, 375, 377, 378
Kemp, R. G., 371, 372
Kempe, C. H., 271
Kempson, S., 596, 597
Kendrick, N. C., 569
Kenessey, A., 100
Kennedy, A. C., 400
Kennedy, B. J., 435
Kennedy, J., 540
Kennedy, J. S., 164
Kennes, B., 347
Kent, K. M., 480
Kent, R. S., 585-89, 594
Kenton, C., 296
Kenton, D. L., 296
Kenyhercz, T. M., 56, 58
Kenyon, K., 485
Kern, B., 243
Kernes, S. M., 222
Kerp, L., 105
Kerr, D. N. S., 48
Kerr, I. M., 363
Kerr, J. H., 318
Kersten, H., 273
Kersten, W., 273
Kerwin, M., 250
Kessler, K. M., 46, 47, 399
Kestenbaum, R. S., 464, 468, 470
Ketelson, U. -P., 346
Keung, E., 497
Keynes, G., 348, 349
Keynes, R., 19
Kharangate, V. N., 238, 249
Khare, G. P., 261, 266, 273, 275
Khatri, I., 488
Khatri, I. M., 403, 404
Khodorov, B. I., 23, 27, 29, 30
Khoo, J. C., 369, 370, 372
Kiang, D. T., 435
Kidwai, A. M., 131, 141
Kierstead, R. W., 154
Killam, E. K., 156, 157
Killam, K. F., 156, 157
Kim, D. S., 436
Kim, K., 162
Kim, Y. H., 18, 24
Kim, Y. S., 35
Kimberg, D. V., 375, 376
Kimura, S., 241
Kindel, G. H., 121
King, C. A., 204
King, D. W., 287, 289, 301
King, H. W. S., 513, 523
King, R. A., 598
Kingsbury, T., 238, 249
Kinsella, J. K., 467
Kinsky, S. C., 208
Kiran, B. K., 560
Kirby, W. M. M., 47
Kirk, T., 160, 163
Kirkendall, W. M., 489
Kish, S. J., 539
Kishimoto, A., 366, 368, 369
Kissin, B., 72, 467
Kissinger, P. T., 56, 58
KISSMAN, H. M., 285-305; 287, 293, 296-99
Kit, S., 268, 269
Kitamura, K., 133, 135
Kitron, N., 261
Kiyomoto, A., 64
Kiyonaga, K., 522
Kizer, D. E., 526
Klausner, S. (C.), 479, 480, 484, 485, 488
Klawans, H. L., 117
Klawans, H. L. Jr., 534, 543, 546, 547
Kleber, H., 466
Kleber, H. D., 467
Kledzik, G. S., 104
Klee, C. B., 372
Klee, W. A., 97, 223, 570
Klein, I., 218
Klein, P. D., 609
Klein, R. J., 423
Klein, S. W., 398, 400
Kleinerman, R. A., 245, 248
Klenk, H. D., 274, 275
Klenow, H., 267
Klett, R. P., 211, 213
Kligman, A., 249
Kligman, A. M., 246
Klinenberg, J. R., 351
Kloster, F. E., 479
Kloster, M., 538, 539
Klotz, U., 405, 408
Kluger, J., 48
Klymkowsky, M. W., 339
Knapp, S., 553
Knies, S., 617
Knight, J. B., 612
Knight, M., 97
Knight, W. A. III, 433
Knobloch, L. C., 166
Know, J. M., 250
Knowles, R. G., 515, 518, 519
Knowles, R. W., 274
Knox, J. M., 244-46
Knox, M. T., 175, 185
Kobayashi, R., 365
Kober, A., 50
Kobori, J., 523
Koch, D. J., 538
Koch, P. A., 179, 182, 190
Koch-Weser, J., 398, 400, 484, 485
Koda, L. Y., 66
Kodama, Y., 275
Koe, B. K., 165
Koelle, G. B., 348
Kohda, H., 246
Kohn, K. W., 176, 243
Kohn, L. D., 214-16, 320
Koida, M., 565, 568
Kokka, N., 559
Kon, C., 553, 570
Kondo, K., 321, 322
Konomi, K., 349
Konrad, K., 242
Koob, G. F., 66
Koot-Gronsveld, E. A. M., 249
Kopeyan, C., 31, 34
Koppenhofer, E., 32, 33
Koppens, P. C. J. M., 611
Korf, J., 119
Kornfeld, P., 346, 349, 350
Kornfeld, S., 275
Kornhauser, D. M., 390, 395, 402
Korzeniowski, D., 514, 518-20, 525, 526
Kosecki, R., 375, 376
Kostenbauder, H., 47
Kosterlitz, H. W., 81, 85, 87, 89, 92-94, 98, 555
Kostowski, W., 121
Kot, P. A., 498
Kotelanski, B., 65, 403, 404
Kotin, J., 163, 164
Kovacs, G. J., 297
Kovick, R. B., 499, 503
Kozaki, S., 313
Kozyreff, V., 217, 218
Krachmer, J. H., 422
Kraemer, K. H., 243
Krajewska, E., 268
Kralik, P. M., 63
Krämer, D. M., 235, 237, 239, 241, 242, 245, 249
Kranias, E. G., 372
Krans, H. M. J., 217, 218, 585
Krasnegor, N. A., 625
Kratky, Z., 275
Kraus, J. W., 405
Krayer, O., 25

Krebs, A., 246
Krebs, E., 105
KREBS, E. G., 363-88; 363-70, 372-75, 377-79
Krebs, H. A., 5
Kreek, M. J., 609, 612
Kreitmair, A., 249
Kriebel, M. E., 315-17
Krieger, D. T., 120
Krishnan, K. S., 224
Kriss, J. P., 215, 216
Kriwaczek, V. M., 90
Krodel, E. K., 338
Krueger, B. K., 21, 24, 375, 553, 570
Krug, R. M., 266, 270
Krulich, L., 120
Kryzhanovsky, G. N., 308, 318, 319
Ku, D. D., 28
Ku, Y., 368, 369
Kuch, T. D. C., 292
Kuffler, S. W., 343
Kuhar, M. J., 555
Kullberg, R., 341-43
Kumagai, F., 556
Kumakiri, M., 246, 247
Kung, L. S., 596, 598
Kunin, C. M., 47
Kunitaro, T., 32, 33
Kunos, G., 598, 599
Kuntzman, R., 517, 518
Kuo, J. F., 363-69, 372
Kuo, W.-N., 364-69, 372
Kupchan, S. M., 25
Kupeyan, C., 31
Kupiec, J. W., 373
Kuriyama, H., 133, 135, 140
Kuriyama, K., 546
Kurland, A. A., 468
Kurochkin, S. N., 369, 377
Kuroda, Y., 368, 369
Kurosky, A., 214
Kurtz, W. L., 616
Kushner, W., 48
Kuster, T. A., 310
Kute, T. E., 434
Kutt, H., 47

L

Laakman, G., 119
Labrecque, G., 571
Labrie, F., 87, 89, 91-93, 104, 217
Lachmann, M., 260, 272
Ladewig, D., 467
Laduron, P., 60
Laibson, P. R., 422, 423
Laidlaw, J., 401
Laidlaw, P. P., 64
Laird, H., 156-58
Lake, C. R., 121
Lakshmipathi, T., 238, 249
Lalka, D., 174
Lam, M. T., 423
Lamanna, C., 313
Lamarre, Y., 69
Lambert, B., 240, 241, 246
Lambert, E. H., 340, 341, 343, 354
Lamola, A. A., 239
Lampen, J. O., 276
Lands, A. M., 582
Landsberg, R., 466
Landthaler, M., 240
Lane, E., 122
Lang, J., 321
Lang, S., 481
Langan, T. A., 364, 365, 369, 374, 376
Lange, H., 47, 538
Langer, S. Z., 583
Langlois, M. C., 287
Langner, A., 238, 245
Lannero, B., 264, 266
Lannom, L. W., 287
Lantto, O., 611
Lapi, L., 260, 265, 272
Lapidot, A., 616
Lappin, H. A., 479
Laragh, J. H., 47
Larin, N. M., 262
Larson, A. A., 120
Larsson, A., 261, 264, 266, 270
Lasala, J. M., 55
Laskowitz, D., 467
Laskowski, M. B., 348
Lass, J. H., 423
Lassignal, N. L., 324
La Torre, J. L., 212
Latzin, S., 223
Lau, Y. H., 327
Laubie, M., 103
Laudat, M. H., 216
Laudat, P., 216
Lavagnino, E. R., 154
Laver, W. G., 274
LAW, P. Y., 201-34; 222, 223
Lawson, A. M., 609
Laychock, S. G., 372
Lazdunski, M., 21, 22, 24, 29, 30, 32-35
Lazo, P. S., 320
LEADER, B., 415-28
Leake, B., 18
Leake, C. D., 565
Leander, S., 321-23, 328
Leavitt, R., 275
Lebella, F., 556
Leber, H. W., 46
Lebleu, B., 363
Lebovitz, H. E., 47
Lebrec, D., 403-5
Lebrigan, H., 349
Lecar, H., 16
Leclercq, G., 433, 435
Lecomte, J. M., 84, 85
Ledley, F. D., 214, 215, 320
Lee, C. H., 560
Lee, C. Y., 308, 321-25, 565
Lee, D. K., 547
Lee, F. D., 523
Lee, F. L., 137, 138
Lee, G., 214-16, 320, 484
Lee, J. D., 321, 324
Lee, L. F., 264
Lee, N. M., 570
Lee, O. S., 64
Lee, R. L., 120
Lee, R. V., 405
Lee, T., 338
Lee, T. J.-F., 142
Lee, W.-K., 48, 613
Lee, W. R., 421
Lee, Y. E., 155
Leeman, S., 544
Leevy, C. M., 403
LEFKOWITZ, R. J., 581-608; 207, 208, 210, 211, 218, 581-90, 593-97, 599-601
Le Fur, G., 115
Lefvert, A. K., 346, 347, 351
Legget, G., 242
Legraverend, C., 72
Legraverend, M., 267
Lehne, R., 570
Lehr, R. E., 516, 523, 524
Leibach, F., 372
Leibowitz, S. F., 119
Leick, V., 241
Leigh, S. A., 159, 160, 166
Leimbacher, W., 618
Leinbach, S., 264
Leite, J. R., 158
Leiter, J., 293, 295
LeJemtel, T. (H.), 485, 492, 497
Lekven, J., 480
Leland, C., 349
Lembeck, F., 224
LEMBERGER, L., 151-72; 152, 153, 158, 166
Lengemann, F. W., 175
Lengyel, P., 363
Lennon, V. A., 340-46, 350, 353
Lenoir, M.-C., 29
Lentz, T., 339
Leonard, K., 430
Leonetti, G., 47
Leopold, I. H., 422
Leopold, N., 546
Le Page, G. A., 260, 265, 267
Lerche, A., 241
Lerman, L., 553
Lerman, S., 247
Lerner, A. B., 235, 237, 238
Leroy, J. P., 247

Lesko, W., 403
Lesser, J. M., 485
Letteri, J. M., 47
Leung, W.-C., 268, 269
Leutz, J. C., 513, 521-23
Levasseur, P., 349
Levey, G. S., 210, 218
Levin, E., 166
Levin, M. S., 113
Levin, W., 513-26
Levine, D., 397
le Vine, M. J., 238, 243
Levinson, S. R., 20, 21, 24, 213
Levinson, W., 272
Levitan, D. B., 274
Levitan, K., 301
Levitt, R. C., 72
Levitzki, A., 208-10, 581, 582, 589, 590
Levy, G., 47, 50, 175, 399, 407
Levy, J., 351
Levy, R. S., 201
Levy-Marchal, C., 599
Lewander, T., 617
Lewis, B. M., 500
Lewis, D., 466, 467
Lewis, G. P., 405
Lewis, J., 546
Lewis, J. E., 205
Lewis, R. J. Sr., 297
Lewis, S. C., 167
Lewko, W. M., 434
Lewy, A. J., 106
Leybin, L., 223
Li, C. H., 81, 100, 104
Li, J. H., 262
Libsch, L. R., 546
Lichter, M., 46, 47
Liebhaber, H., 263
Liebman, K. C., 525
Lien, E. L., 104, 105
Likoff, W., 400
Lima, J. M., 261
Limbird, L. E., 207, 208, 210, 211, 218, 589
Limbrick, A. R., 323
Lin, E. T., 398, 490
Lin, H. K., 219, 220
Lin, N., 285, 289
Lin, S. C., 567
Lin, T. S., 268, 423
Lincoln, T. M., 364-67, 369-74, 378, 379
Lindberg, C., 611
Lindblom, J. B., 346
Lindeberg, G., 85, 89, 94, 98
Lindgren, S., 188, 189
Lindstrom, B., 189, 190
LINDSTROM, J. (M.), 337-62; 337-47, 349-54
Ling, N. (C.), 85-87, 89-94, 104
Ling, W., 471
Lipmann, F., 5
Lippman, M. E., 434, 436
Lippmann, W., 114
Lis, M., 86, 87, 92, 93
Liss, L., 543
Lissitzky, S., 29, 31-35
Litaker, M., 471
Litchfield, J. T. Jr., 176
Liu, A. Y.-C., 373, 375
Liu, J., 137
Livengood, D. R., 322
Livingston, R. B., 433
Livrea, P., 63
Ljungström, O., 370, 377
Llados, F., 315-17
Llinas, R., 69, 553
Llorens, C., 97
Lloyd, K. G., 541
Lloyd, V., 48
Locatelli, V., 104
Locke, S., 65
Lockhart, I. M., 609
Lockwood, C. M., 351
Lodish, H. F., 271
Loeb, J. N., 597, 598
Loewe, S., 156, 157
Loewy, A., 2
Lof A., 611
LOH, H. H., 201-34; 100, 203, 212, 213, 220-24, 554-56, 558, 561, 562, 564-67, 569, 570, 572, 626
Lohmann, S. M., 374
Lomax, P., 156, 157
Lombet, A., 24
Lonborg, G., 468
London, S. W., 159, 160
London, Y., 203
Long, B., 499, 500
Long, J. P., 564
Longenecker, H. E., 307-9
Longeval, E., 435
Longmire, R., 351
Lönnroth, I., 204
Lord, J. A. H., 89, 93
Lord, J. T., 242
Lorens, S. A., 121
Lorent, J. P., 294, 295
Lorente, L., 212
Loskota, W. J., 156, 157
Louis, S., 47
Lovenberg, W., 570, 571
Low, P. A., 34
Lowe, D. A., 29, 309
Lowe, J. K., 273
Lowe, L. (A.), 85-87, 89-94, 96
Lowe, N. J., 238, 244
Lowenthal, D. T., 46-48, 50, 399
Lowenthal, R. M., 351
Lowery, P. J., 221
Lown, B., 121
Lowney, L. I., 221
LU, A. Y. H., 513-31; 513-26
Lu, C.-C., 120
Lu, L.-H., 120
Lubin, L. A., 163
Luby, J., 347
Lucas, S. V., 613
Luciani, S., 64
Luck, G., 274
Ludden, C. T., 117
Luduena, F. P., 582
Ludwig, H., 275
Ludwigsen, E., 247
Luedke, J. A. Jr., 297
Luh, S. H., 322
Lujan, M., 85, 93, 94
Lüllmann, H., 400
Lüllmann-Rauch, R., 321-24, 328
Lundbergh, P., 403, 404
Lundh, H., 316-18, 323
Lundsgaard, E., 9
Lunt, G. G., 212
Lunt, G. S., 212
Lurie, M., 154, 503
Luther, F. M., 250
Lütjen-Drecoll, E., 421
Lutz, T., 612
Lynch, W. S., 238
Lynn, S. C., 561
Lyons, L. L., 179-81, 190, 191
Lyons, P. J., 50
Lytle, L. D., 120

M

Maass, H., 431
Maassab, H. F., 263
MacDonald, A., 290
Macdonald, E. J., 245
MacDonald, I., 174, 185
MacDonald, M. A., 314
MacDonald, N. S., 351
Machleidt, W., 34
MacIntyre, I., 95
Mackenzie, J. W., 496
Mackenzie, L. A., 238, 249
Mackie, R. M., 248
Macko, E., 121
MacLaughlin, D. S., 191, 194
MacLaury, K., 300
MacNiel, M., 220
Madden, M., 290
Maddocks, J. L., 47
Maeno, H., 373-75, 556, 570
Magaribuchi, T., 140
Magleby, K. L., 315
Magno, S. M., 241
Magnussen, I., 121
Magnusson, A., 179, 183, 186, 189
Magnusson, P., 482
Maguire, C., 422
Maguire, M. E., 585

Mah, H. D., 516, 523, 524
Mahler, H. R., 203
Maidhof, A., 260, 261, 266, 267, 272, 274
Maj, J., 117, 121
Makadon, H., 122
Makedonska, V. B., 521, 522
Makman, M. H., 593
Malarkey, W. B., 346
Malaveille, C., 523, 524
Malbon, C. C., 597, 598
Malchoff, C. D., 582
Malcolm, S. L., 612
Malfroy, B., 84, 85, 97
Malkinson, A. M., 375
Maller, J. L., 375
Malmborg, A., 181, 191
Malmnas, C. O., 119
Man, D. P., 156, 157
Manalis, R. S., 322
Mandel, L. R., 60
Mandel, P., 223
Mandell, A. (I.), 420
Mandell, A. J., 60, 553
Mandula, B. B., 249
Manfrin, M., 47
Mangalo, R., 319
Manganiello, V. C., 204, 205
Manger, W. M., 167
Mangione, A., 405
Mann, D. P., 156, 157
Mannering, G. J., 517
Mannisto, P., 190, 191
Mano, K., 600
Mansky, P. A., 464
Månsson, J. (E.), 204, 205
Mao, C. C., 69
Mao, J. C. H., 264
Marcel, L., 468
Marchand, C., 560, 563
Marchand, C. R., 563
Marchant, H., 164
Marchbanks, R. M., 314-16
Marcioni, S., 239, 241
Marcus, A., 271
Marcus, C. S., 175
Marcus, F., 371, 372
Marcus, H., 475
Margalith, E., 261, 271
Margolin, F., 165
Maria, T. A., 32
Marinetti, G. V., 582, 596-99
Marinneto, J. A., 503
Market, D. E., 214
Markey, S. P., 612
Markham, C. H., 547
Marks, G. S., 205
Marks, N., 375, 376
Marks, P. C., 119
Marpole, D. G. F., 483
Marsden, C. D., 121
Marshall, F. J., 616
Marshall, J. M., 139
Marshall, J. P., 405
Mart, P. E., 327
Marten, T. R., 612
Martin, B. R., 165
Martin, J. S., 238, 248, 249
Martin, L. E., 612
Martin, S. A., 270
Martin, V., 344, 347
Martin, W. R., 463, 464, 469
Martinez, G., 31, 34
Martins-Montat, N., 32, 34
Martz, R., 155
Marvis, R. D., 207, 213
Marx, J. L., 244, 251
Marzulli, F. N., 245
Marzullo, G., 222, 557, 566
Maschewske, E., 260
Masnyk, I. J., 432
Mason, D. T., 398, 481, 484, 490, 492, 495, 503
Mason, N. R., 113, 115
Mason, P. S., 515, 518-20
Massé, R., 247
Massie, B., 482, 484, 485, 488, 503, 506
Mast, R. W., 154, 165
Masters, C. L., 347
Masukawa, L. M., 322
Matasuhashi, S., 241
Matell, G., 346, 347, 351
Mathey, D. G., 480
Mathur, M., 492
Matin, S. B., 612
Matossian, Z., 464
Matsuda, M., 319
Matsui, Y., 557, 563
Matsumoto, K., 152, 166
Matsuo, M., 378
Matsura, M., 61, 62
Matteson, D. R., 315-17
Mattheiem, W. H., 435
Matthews, E. K., 135
Mattson, D. H., 612
Maturo, J. M. III, 217
Mauro, A., 307-13, 317, 318
Mawer, G. E., 49, 405, 408
Maxwell, J. D., 401
Maxwell, K. S., 398, 490, 492, 503
May, E. L., 154, 164, 165
Mayer, J., 466, 467
Mayer, N., 224
Mayer, R. F., 342, 354
Maynard, P. V., 433
Maynert, E. W., 120
Mazzanti, W. D., 423
McAdams, M. W., 343
McAnulty, J. H., 479
McAuliff, J. P., 582
McBride, W. J., 119
McCabe, L., 468
McCabe, O. L., 471
McCann, J., 523
McCarn, D. B., 292, 293, 295, 298
McCarn, G. H., 294, 296, 298
McCarthy, C. F., 401
McCarthy, D., 365, 366, 373
McCarthy, L. E., 159, 160
McCaughran, J. A., 156, 157
McClane, T. K., 463
McClean, W. T. Jr., 345
McCleave, B., 470
McClendon, D., 163
McClure, W. O., 307, 309, 314
McConnell, H. M., 202, 216
McCourt, D. W., 513, 521-23
McCracken, G. H. Jr., 177, 179, 185, 186, 188-91
McCulloch, R. M., 318
McCune, R. W., 366, 367
McDonald, C. R., 262
McDonald, D. D., 287, 289, 301
McDonald, W. J., 45
McGeer, E. G., 543
McGeer, P. L., 543
McGeoch, D., 261
McGili, J. I., 423
McGivern, R. F., 81
McGregor, W. H., 100, 105
McGuffin, J. C., 113, 120
McGuire, W. L., 430, 432-34, 436, 437
McHenry, F. A., 345
McHorse, T. S., 404, 405, 408
McIlhenny, H. M., 154, 165, 612
McIndewar, I., 120
McIntyre, D. C., 156, 157
McIsaac, W. M., 60, 63, 69, 72
McKerron, R. A., 418
McKone, R. C., 345
McLaughlin, B. R., 66
McLaughlin, M., 338, 354
McLaughlin, S., 222, 223
McLean, A. (J.), 174, 402, 405
McLean, D. M., 271
McLean, S. L., 423
McLeod, P. M., 546
McLeod, W. R., 547
McLimans, W. F., 262
McMahan, C. A., 432
McMahon, R. (E.), 152, 166, 612, 616
McMillan, D. E., 629
McMillan, J., 342
McMillan, R., 351
McMurtrey, K. D., 58, 59, 62, 63
McNamara, M. C., 156, 157
McNamara, P. J., 174, 407
McNamee, M. G., 338
McPhillips, J. J., 141
McQuain, C. O., 276
Meadows, C. T., 293

Means, A. R., 367
Mearrick, P., 55
Mears, J. A., 64
Meba, D., 324
Mechoulam, R., 152, 154
Medina, M. A., 67, 560
Meek, J., 113
Meffin, P. J., 405-8
Mehdi, Q., 215, 216
Mehdi, S. Q., 215, 216
Mehta, J., 485
Meister, S. G., 479
Meister, W., 393, 394, 400
Melander, A., 173, 177, 186-91, 193, 194, 196
Melchior, C. L., 62, 66, 67, 69-71
Meldolesi, M. F., 215, 216
Meldrum, B. S., 156, 157
Mellanby, J., 319
Mellanby, J. H., 318
Meller, E., 60
Meller, J., 489, 492
Mellk, H., 47
Melmon, K. L., 47, 396, 400, 405-8, 593, 595, 627
Melnick, J. L., 262
Melski, J. W., 238, 247-49
Meltzer, H. Y., 69, 104, 120
Melvin, S., 271
Memelova, L. V., 369, 377
Mendell, J. R., 347
Mendenhall, C. L., 403
Mendible, J. C., 219
Mendicino, J., 372
Mendlowitz, M., 494
Menon, K. M. J., 215
Merkow, L., 526
Merlie, J. P., 338, 339, 341-43
Merlin, M., 349
Merlone, S. C., 224
Merrifield, R. B., 377, 378
Merrill, A. J., 496
Merrill, D. H., 485
Merritt, A. D., 534
Mertens, H. G., 351
Mertes, M. P., 273
Messing, R. B., 120
Metcalf, G., 86, 89, 91, 102, 103, 105
Metcalfe, J. C., 218, 219
Meunier, J. C., 211, 213
Meves, H., 16, 20
Meyer, J. S., 434
Meyer, P., 583, 599
Meyer, R. E., 466
Meyer, R. F., 423
Meyers, F. H., 628
Meyerson, B. J., 119
Meyerson, L. R., 59, 62, 63
Miach, P. J., 583
Mical, R. S., 544
Michaelson, D., 212
Michaëlsson, G., 251
Michaely, W. J., 520-22
Michell, R. H., 202
Michelson, J. D., 343
Mickey, J. (V.), 593, 594
Middleton, E. Jr., 600
Miglécz, E., 100
Mikelens, P., 272
Mikkelsen, E., 398
Mikus, P., 155
Milde, E. J., 347
Miledi, R., 314-17, 321-23, 339, 342, 343, 354, 553
Millecchia, L. L., 140, 142
Miller, D. C., 315
Miller, D. D., 63, 64
Miller, J. A., 513
Miller, J. P., 261, 273
Miller, J. Q., 347
Miller, J. W., 205
Miller, K. C., 298
Miller, N. E., 405, 408
Miller, P. A., 267
Miller, R. D., 389
Miller, R. J., 60, 67, 81, 85-87, 89-94, 96, 98, 104, 105, 222
Miller, R. L., 265, 268, 269, 423
Miller, R. R., 398, 490, 492, 503
Miller, S., 59
Milne, G. M., 154, 165
Milne, G. W. A., 296, 297
Milstien, S., 372
Milstrey, K. P., 267
Min, B. H., 179, 184, 195, 612
Minneman, K. P., 67, 570, 584
Mintz, J., 467
Miranda, A. R., 349
Miranda, F., 31-33, 120
Mireylees, S. E., 114
Mirin, S., 466
Mirsky, R., 319
Misbach, G. A., 480
Mischak, R. P., 347
Mishima, S., 421
Misiorny, A., 261, 264, 266
Misler, S., 310, 311
Missotten, L., 418
Mitchell, G. K., 400
Mitchell, J. H., 500
Mitchell, L. D., 296
Mitchell, M. B., 515, 518-20
Mittleman, A., 251
MIWA, G. T., 513-31
Mix, W. M., 66
Miya, T. S., 176
Miyahara, T., 349
Miyamato, E., 365
Miyazaki, S., 313
Mizrahi, A., 276
Mizuno, M., 241
Mizuno, N., 242, 243
Mlejnek, R. V., 31
Moe, R. E., 431
Mogilnicka, E., 121
Mohammed, S., 65
Moir, A. J. G., 371, 377
Molenaar, P. C., 314, 342
Molica, S. J., 244
Molin, L., 238, 244
Molinoff, P. B., 67, 584, 592, 600, 601
Moller, E., 346
Molloy, B. B., 113-15, 120, 615
Molnar, J. I., 498
Monachon, M.-A., 117
Moncada, S., 242
Moniot, J. L., 56, 65
Monod, J., 30, 32
Montal, M., 202
Mood, A. M., 455
Moody, T. W., 324
Moon, T. E., 159, 160, 166
Moore, E. C., 260
Moore, G., 119
Moore, H. P. H., 338
Moore, J. D., 485
Moore, J. W., 18, 19, 21, 23, 34, 35
Moore, M. M., 163
Moore, P. F., 176
Moores, W. Y., 480
Morad, M., 246
Moreau, M., 338
Morecki, R., 520
Morelli, H. F., 627
Moreno, F. J., 597, 598
Morgan, B. A., 81, 85-87, 89-94, 98, 100, 102
Morgan, H. G., 400
Morgan, I., 570
Morgan, M., 271
Morgan, R. S., 318
Morganti, A., 47
Morgenroth, V. H. (III), 372, 570
Morhenn, V. B., 245, 250
Morin, O., 87, 89, 91-93
Morishita, S., 617
Morison, W. L., 238, 243, 250, 251
MORLEY, J. S., 81-110; 81, 84-87, 89-95, 102
Moro, E., 186, 187, 189
Moroder, L., 98
Moron, M. S., 514
Morris, H. R., 85, 93, 94
Morris, N., 514
Morrisey, W., 155
Morrison, J. L., 496
Morrison, J. M., 464
Morrison, T. G., 276
Morrow, C. S., 20, 21, 23, 24, 32-35

Morrow, J. D., 489
Morselli, P. L., 47, 543
Mosher, H. S., 18, 24
Moskowitz, R. M., 481, 496
Moss, B., 270
Moss, J., 204, 205
Motelica-Heino, I., 315
Mould, G. P., 401
Moura, D., 64
Mourelatos, D., 246
Mourer, D. R., 260
Moyer, J. H., 484
Moynagh, K. D., 262
Mozhayeva, G. N., 28, 29, 33
Mueller, A., 62
Mueller, G., 50
Mukherjee, C., 581, 582, 593, 594
Mukherji, M., 563, 568
Mukhtar, H., 517
Mulé, S. J., 563
Müller, E. E., 104
Müller, W. E. G., 260, 261, 265-67, 272-74
Mullikin, D., 581, 585, 588, 593, 594
Mullin, B. R., 214, 215
Munson, A. E., 166
Muramoto, O., 544
Murayama, K., 34
Murayama, S., 556
Murphy, B. R., 263, 270
Murphy, D. L., 119, 121
Murphy, L. E., 24
MURPHY, P. J., 609-21; 615, 616
Murray, A. W., 372
Murthy, R. V., 131, 141
Musacchio, J. M., 97
Musajo, L., 237, 239, 241
Muscettola, G., 612
Mutchler, T. L., 567
Muthukrishnan, S., 270, 271
Myers, R. D., 55, 66, 69-72, 121
Mytilineou, C., 65, 66

N

Nachmansohn, D., 5
Naeim, F., 346
Nagao, T., 64
Nagashima, H., 85
Nagy, C. (M.), 159, 160, 166
Nahas, G. G., 167
Nahorski, S. R., 584
Naik, R. P. C., 248
Nakajima, H., 64
Nakajima, S., 18, 21
Nakamura, Y., 18, 21
Nakanishi, H., 557
Nakanishi, K., 513, 523
Nakano, S., 163
Nakaya, S., 366, 368
Nakayama, Y., 249
Nakazawa, K., 364, 368
Nalepa, S. D., 164, 166
Namba, T., 346, 349, 350
Namkung, P. C., 431
Naquet, R., 156, 157
Narahashi, T., 18, 19, 21, 23, 26, 28-30, 32-34
Naranjo, C., 69
Narita, K., 321, 322
Nassbaum, J. L., 223
Nastuk, W. L., 347
Nath, G., 249
Nathanson, N. M., 338
Natsuki, R., 564
Naumov, A. P., 28, 29, 33
Nave, B., 342-44, 347
Naylor, R. J., 67, 68, 121
Neal, A., 348
Neal, H., 307
Neale, J. H., 319
Nebert, D. W., 72, 514
Needleman, P., 481, 553
Neel, M. A., 167
Neenan, J. P., 268, 269
Neff, N. H., 544, 617
Negrette, A., 533
Negulyaev, Y. A., 28, 29
Neill, E., 611
Neitlich, H., 152, 166
Nelkupa, J. V., 466
Nellis, S. H., 481, 496
Nelson, C. E., 285, 289
Nelson, H., 47
Nelson, H. E., 600
Nelson, S. D., 611, 612
Neri, L. L., 585
Nesburn, A. B., 423
Neskovic, N., 223
Nesterick, C. A., 58
Nesterova, M. V., 369, 377
Nestler, E. J., 369
Neu, C., 164
Neubauer, V., 320
Neubert, D., 617
Neubig, R. R., 338
Neufeld, A. H., 418
Neumann, A., 490, 492, 503
Neumayer, E. M., 263
Neumcke, B., 21
Neumeyer, J. L., 67, 68
Neville, D. M. Jr., 216
Nevin, M. J., 48
Newbold, R. F., 513, 523, 524
Newell, F. W., 162
Newman, K. D., 590, 600
Newsom-Davis, J., 344-47, 350, 352, 354
Newton, M. W., 324
Ng, R., 326-28
Niall, H. D., 544
Nichol, F. R., 262
Nichols, W. W., 476, 477
Nicholson, C., 553
Nicholson, G. L., 202, 203
Nicholson, S. H., 539, 545
Nickander, R., 87, 93, 94
Nickander, R. C., 616
Nickerson, M., 481, 598, 599
Nicksic, T. D., 223
Nieburg, H. A., 165
Nies, A. S., 48, 395, 396, 601
Nietsche, U., 238, 249
Nijenhuis, L. E., 344, 346, 347, 350
Nilsson, O., 544
Nilsson, S. O., 191, 193, 249
Nimitkitpaisan, Y., 64, 67
Nimmo, G. A., 372, 377, 378
Nimmo, H. G., 364-66, 368, 374, 592
Nimmo, W. S., 188
Nirenberg, M., 17, 26, 28, 29, 223, 570, 590
Nirenberg, P., 209
Nishimura, M., 349
Nishiyama, A., 19, 21, 133
Nishiyama, K., 366, 368-70
Nishizuka, Y., 366, 368-70, 372, 379
Nissim, I., 616
Noguchi, T., 18
Nolte, J., 136
Nonner, W., 21
Nordenskjöld, B., 431
Nordstrom, L. A., 484
Noren, J. O., 261, 264, 266
Norén, P., 251
Norlander, B., 186, 188
Norman, A., 484, 485, 488
Norman, R. M., 537
Norris, F. H., 87, 93, 94
Norton, T. R., 34
Nosyreva, E. D., 28, 29, 33
Notargiacoma, A., 488
Notges-Borgwardt, I., 617
Noviant, Y., 349
Nowakowski, H., 431
Noyes, R., 165
Nüesch, E., 400
Nussey, S. S., 215, 216
Nutt, J. G., 554, 559

O

Oakley, C. M., 503
Oates, J. A., 611, 618
Ober, M., 421
Oberg, B., 261, 264, 266, 270
Oberg, S. G., 321, 323
Oberjat, T., 325, 326
Obermeier, J., 274
Obermeyer, B. D., 611, 614, 616
Oblinger, M. M., 69, 71

O'Brien, C., 467
O'Brien, J. P., 47
O'Brien, M., 119
O'Brien, P. C., 345, 349
O'Brien, R. D., 30, 212
Obrosova-Serova, N. P., 264
O'Callaghan, J., 570, 571
O'Callaghan, J. P., 570
Ochoa, E., 206, 207
Ochoa, E. L. M., 224
Ochsenfahrt, H., 176, 400
O'Connor, S., 60
Odar-Cederlöf, I., 47, 50
O'Dea, R. F., 365, 376
O'Dette, R. E., 290
O'Donnell, J., 626
Oesch, F., 514, 515, 518-20, 522, 524, 525
O'Farrell, P. H., 373
Ogg, C. S., 47
Ogilvie, R. I., 405
Ogino, T., 269
O'Grady, J., 186, 187
Ogren, S.-O., 114, 117
Oguri, K., 570
Ohgo, S., 104
Ohnhaus, E. E., 400
Ohshima, K., 133, 135
Ohta, M., 26, 28
Oie, S., 47
Okamoto, H., 32, 33
Okamoto, M., 309
O'Keefe, R., 541
Okina, M., 275
O'Korn, L. J., 291, 296
Okret, S., 431
Okumura, K., 564
Okura, A., 260
Oleske, J. M., 563
Olgiati, V. R., 556
Oliphant, J., 547
Oliver, G. C., 400
Oliver, K. L., 351
Oliveras, J.-L., 120
Olsen, D. M., 156, 157
Olsen, G. D., 408
Olsen, R., 211, 213
Olsnes, S., 436
Olson, D. R., 553, 570
O'Malley, J. A., 276
Omar, A., 246
Omori-Satoh, T., 321
O'Neal, M. A., 244
O'Neill, P. J., 58
Onur, R., 27
Oosterhuis, H. J., 344-47, 350
Opmeer, F. A., 559
Oppenheimer, D. R., 345
Orci, L., 594
Orfanos, C. E., 251
Orkand, R., 29
Orly, J., 209, 210
Orme, B., 47
Ornberg, R. L., 310
Ornellas, M. R., 570
Oroszlan, S., 276
Orsingher, O. A., 156, 157
Ortiz, E., 525
Ortiz, P. J., 260, 265, 272
Ortonne, J. P., 238
Osborne, M. R., 513, 523
Osborne, R. H., 318
Osborne-White, W. S., 598
Osei-Gyimah, P., 63, 64
Osgood, P. F., 166
O'Shaughnessy, W. B., 151, 158
Osserman, K. E., 346-49
Osserman, R. S., 348
Osswald, W., 56, 64
Oster-Granite, M. L., 69
Osterman, P. O., 346, 347, 351
Ostrander, M., 268
Oswald, N. C., 262
Otsuka, T., 269
Ott, L., 119
Ottomanelli, G., 467
Overbey, J. II, 297, 300
Overby, L. R., 264
Owens, D. W., 250
Oxford, J. S., 261, 263, 270
Oxman, M. A., 297
Ozaki, H., 138
Ozawa, H., 140, 143
Ozdemir, C., 345

P

Paalzow, L., 611
Pachter, I., 464
Packer, M., 489, 492
Paddock, G., 187
Padilla, G. M., 35
Pagani, V., 191, 192
Page, E. B., 489
Painter, E., 205
Pal, K., 513, 523
Palazzotto, J., 201
Palese, P., 270
Palider, W., 117
Palm, J. D., 537, 544
Palmer, J. S., 581
Palmer, L., 609
Palmer, R. F., 490, 613
Palmer, W. H., 483
Palmour, V. E., 294
Palrai, P. R., 224
Pamnani, M. B., 145
Pang, K. S., 392, 393
Pantuck, C. B., 179, 184, 195
Pantuck, E. J., 179, 184, 195, 612
Panula, P., 65
Papatestas, A. E., 346, 348-50
Paphadjopoulos, D., 214
Pardo, E. G., 113
Parisi, M., 212
Parisi, P., 307, 309
Park, C. R., 365, 369, 372
Park, D. C., 434
Park, N. H., 423
Parker, J. O., 500
Parkes, J. D., 401
PARMLEY, W. W., 475-512; 476, 477, 479, 480, 483-86, 488, 489, 492, 497, 500, 502, 503, 506,
Parrington, J. M., 237
Parrish, J. A., 237-39, 241-43, 245, 247-51
Pars, H. G., 154
Parsons, R. L., 187
Partanen, S., 65
Partenope, E. A., 484
Parulekar, M. R., 205
Parwatikar, S., 466
Paschelke, G., 565
Pastan, I., 217, 375, 376
Pasternak, G. W., 219, 220, 566, 567
Patel, B. C., 117
Paterson, A., 422
Paterson, S. J., 89, 93
Pathak, M. A., 235, 237-39, 241, 242, 244, 245, 248-50
Paton, D. M., 130-32, 553
Patrick, J., 337, 342, 350
Patrick, J. G., 365, 366, 368
Patten, B. M., 345, 351
Patterson, S., 263
Patthy, A., 100
Paul, R., 65
Paul, S. M., 120
Paulson, G. W., 534, 543, 546
Pavan-Langston, D., 422, 423
Pawinska, M., 245
Paxinos, G., 119
Payne, W. S., 345, 349
Pazin, G. J., 423
Pearson, C. M., 351
Pearson, O. H., 432, 436, 437
Pease, D. C., 152, 154
Pecile, A., 556
Peck, K., 320
Pederson, J. E., 162
Peck, L. (A.), 160, 163
Peganov, E. M., 27
Pehamberger, H., 242
Peignoux, M., 403-5
Pek, P., 490
Pelkonen, O., 72
Pelling, J. C., 260
Penneys, N. S., 242
Peper, K., 27, 28
Pepin, J. M., 349
Pepine, C. J., 476, 477, 485
Perez-Reyes, M., 161
Perkins, J. P., 363, 364, 368, 592, 593, 595

Perkins, W. H., 400
Perlo, V. P., 348, 349
Perlroth, F., 47
Perrier, D., 174, 390
Perroud, H., 238
Perry, E. K., 539
Perry, H. M. Jr., 485, 489
Perry, K. W., 113-15, 117
Perry, R. H., 539
Perry, S. V., 371, 377
Perry, T. L., 538-40, 545, 546
Person, S., 274
Pert, A., 85, 87, 93, 94, 99, 100
Pert, C. B., 85, 87, 89, 90, 93, 94, 99, 100, 221, 555, 561, 565, 566, 590
Pertschuk, L. P., 436
Pessayre, D., 403-5
Pestronk, A., 344
Peters, A., 263
Peters, D. K., 351
Peters, K. A., 367, 368, 377
Peters, T., 400
Petersen, H., 461
Petersen, R. C., 625
Peterson, H. D., 347
Peterson, J. W., 214
Petersson, E. S., 467
Petra, P. H., 431
Petrozzi, J. W., 249
Petrus, R. J., 161
Pett, M., 418
Petter, N. N., 81
Pettinger, W. A., 583
Petty, S. K., 556
Petzold, G. L., 365
Pezzanite, J. O., 19
Pfab, R., 47
Pfau, C. J., 272
Pfeuffer, T., 208
Pflueger, A. B., 113, 120
Phebus, L., 120
Philibert, D., 431, 436
Philippu, A., 553
Philipson, L., 261, 264, 266
Phillips, C. I., 418
Phillis, J. W., 117
Piafsky, K. M., 405
Piascik, M. T., 63, 64
Picchioni, A. L., 156, 157
Piccolo, D. E., 522
Piccolo, G., 347
Pickering, R. W., 113
Pierard, G. E., 246
Pierce, N. F., 204, 215
Pierides, A. M., 48
Pierpont, G. L., 485, 486
Pihl, A., 436
Pike, L. J., 595
Pilkis, S. J., 370, 371, 374
Pilling, J. B., 534
Pinching, A. J., 344, 350, 352
Pinder, R. M., 60, 67, 68
Pine, R., 479
Pinelli, P., 347
Pinsky, C., 556
Pinto, J. E. B., 322
Pirskanen, R., 346, 347, 351
Pitone, J. M., 50
Pitterle, M. E., 179-81, 190, 191
Pittman, R. C., 372
Pitton, J. S., 47
Placheta, P., 114
Platt, K. L., 518
Plescia, O. J., 347
Pless, J., 90, 93, 100
Pless, J. E., 152, 166
Plewig, G., 238, 240, 247, 249
Plotch, S. J., 266, 270
Plotkin, E. V., 524
Plumb, M., 466
Plummer, N. A., 242
Plunkett, W., 260, 265, 272
Podos, S. M., 162, 166, 420
Pohl, J., 241
Pohl, J. E. F., 49
Pohl, S. L., 217, 218, 585
Poiger, H., 177, 179
Poisner, A. M., 569
Poitier, J., 242
Polak, R. L., 314, 342
Pöldinger, W., 105
Polonia, J., 56
Polonia, M. A., 56
Pomerantz, A. H., 377, 378
Ponticelli, C., 47
Poole, D., 468
Popot, J. L., 338
Poppe, W., 241
Popper, K. P., 599
Porter, G. A., 45, 408
Porter, G. T. J., 422
Porter, J. C., 544
Portoghese, P. S., 567
Porta, T. (A.), 482, 492, 497, 500, 502, 503
Poskanzer, D. (C.), 348, 349
Possani, L. D., 31, 211, 213
Post, R., 163, 164
Poth, M. M., 544
Potter, H. G., 433
Potter, L. T., 327
Potts, J. T. Jr., 544
Poulakos, J. J., 117
Poupaert, J. H., 567
Powell, B. J., 165
Powell, D., 544
Powell, J. R. Jr., 295
Prasad, A. L. N., 122
Preble, E., 467
Preiksaitis, H. G., 599
Preisig, R., 403, 404
Prescott, L. F., 47, 188, 404
Pressman, B. C., 555
Prey, T., 249
Price, D. L., 316-18, 320
Prince, H. N., 263
Prives, J., 341
Privitera, P. J., 65
Procita, L., 484
Procknal, I. A., 50
Profera, C., 22
Prosmanne, J., 89, 92-94
Prosser, C. L., 137
Proud, C. G., 370
Provost, T. T., 247
Prusiner, P., 261
Prusoff, W. H., 265, 266, 268, 269, 272, 423
Prys-Roberts, C., 318
Przewlocka, B., 121
Przuntek, H., 553
Puchwein, G., 208
Pugh, C. S. G., 270
Pugsley, T., 114
Puil, E. A., 156, 157
Puliafito, C. A., 423
Pumplin, D. W., 307, 309, 310, 314, 316, 317
Purich, D. L., 373
Purnell, W. D., 161
Pushkarskaya, N. L., 264
Pycock, C. J., 121
Pyman, F. L., 56, 64

Q

Quadfasel, F. A., 536
Quast, U., 338
Quattrone, A., 120
Quinn, M. L., 48
Quinn, R. J., 18

R

Raam, S., 436
Rabey, J. M., 122
Rabinowitz, S. H., 121
Rabkin, R., 47
Racagni, G., 570
Radda, G. K., 215, 216
Rader, R. A., 290
Radouco-Thomas, S., 554, 556
Raftery, M. A., 19, 20, 22, 24, 211-13, 324, 338
Ragnarsson, U., 85, 89, 94, 98, 377-79
Rahamimoff, R., 309, 310
Rahimtoola, S. H., 479
Rahman, N. F., 534
Rahwan, R. G., 55, 58
Rainsbury, R., 166
Rajan, K. S., 554
Ram, J. L., 375, 376
Ramakrishnan, T., 272
Ramos, S., 320
Ramsay, L., 397
Ramsey, H. H., 158
Ramsey, I., 347
Rance, M. J., 87, 89
Rand, M. J., 314

Randall, M., 466
Ranck, L., 404
Rangel-Aldao, R., 373
Rangno, R. E., 405
Rankin, J. G., 403, 404
Rao, B. R., 434
Rao, M., 271
Rapaport, E., 484
Rapoport, H., 19
Rapp, F., 262, 269
Rash, J. E., 342, 354
Raskin, N. H., 489
Rasmussen, R. E., 513, 523, 524
Rathbun, R. C., 121
Rathmayer, W., 34
Ratner, M., 570
Ratshin, R. (A.), 479, 480
Ratter, S. J., 104, 105
Ratzlaff, R. W., 21, 24, 569
Raub, W. F., 289
Ravdin, R. G., 432
Rawlow, A., 117
Rawson, R. (A.), 468, 470
Ray, A. K., 563, 568
Ray, E. K., 274
Ray, R., 32-34
Ray, R. K., 266
Raynaud, J. P., 431, 436
Raynaud, M., 319
Rayner, M. D., 24
Raz, A., 166
Razdan, R. K., 154
Read, A. E., 401, 404, 405, 408
Reader, T. A., 212
Readshaw, C. G., 422
Reddy, S., 372
Redmond, D. E., 106
Redweik, U., 618
Redwood, D. R., 480
Reed, J. K., 22
Reed, K. L., 338
Reed, S. C., 537, 544
Reed, S. E., 262
Rees, J., 612
Reese, T. S., 309, 310, 316, 317, 343
Rees Smith, B., 355
Rege, V. L., 238, 249
Regelson, W., 160, 163
Reibling, A., 546
Reich, E., 211, 213, 313
Reid, C., 5
Reid, J. L., 611
Reid, J. R., 62
Reid, P. R., 397
REIDENBERG, M. M., 45-54; 45-50, 399, 408
Reig, F., 91-93
Reimann, E. M., 369, 370
Reinhold, K., 557
Reinke, C. M., 260
Reinking, J., 156-58
Reis, D. J., 570
Reisine, T. D., 543
Remischovsky, J., 400
Remold-O'Donnell, E., 593
Remond, G., 103
Renault, P., 464
Renis, H. E., 262
Renis, M., 61
Reno, J. M., 264
Renson, J., 60
Rentea, R. G., 260
Renyi, A. L., 114
RESNICK, R. B., 463-74; 464-70
Ress, K. E., 273
Restivo, K. M., 46, 47
Rethy, A., 210
Reuther, P., 351
Revel, M., 363
Revenko, S. V., 27
Revuelta, A., 570
Reyes, P., 546
Reyes, P. L., 373
Rheinstrom, S. D., 423
Ribner, H. (S.), 492, 497
Rice, J., 341-43
Rice, J. M., 514, 525
Rice, N. S. C., 422
Rich, M. A., 430, 432, 433
Richards, A. B., 156, 157
Richards, R. K., 152, 166
Richardson, B. P., 309
Richardson, J. A., 47, 396
Richman, D. P., 350
Richter, D., 12
Richter, E., 405
Ricker, K., 351
Ridgway, E. B., 553
Ridolfo, A. S., 614
Riggin, R. M., 58
Riker, W. F., 309
Rimirez, G. A., 31
Rimon, G., 209, 210
Ringel, S. P., 547
Rink, M., 465
Riordan, C., 467
Riou, J. P., 370, 371, 374
Ripley, S. H., 29
Riquelme, P. T., 371, 372
Ritchie, J. M., 19-22, 33
Riva, E., 543
Rivas, E., 212
Rivier, C., 104
Robb, C. A., 496
Robbins, R. K., 261
Roberts, A. P., 47
Roberts, E., 539, 545, 546
Roberts, J. B., 432
Roberts, J. M., 584
Roberts, L. K., 243
Roberts, M. M., 430, 432
Roberts, R. K., 405
Roberts, W. K., 363
Robertson, D., 583, 584
Robins, M. J., 275
ROBINS, R. K., 259-84; 261, 266, 273, 275
Robinson, B. F., 497
Robinson, J. K., 247
Robinson, N. L., 423
Robinson, P. R., 611
Robishaw, E. E., 264
Robson, L. E., 98
Rochat, C., 31
Rochat, H., 29, 31-35
Rochette-Egly, C., 366
Rodahl, K., 500
Rodbell, M., 217, 218, 585
Roderer, N. K., 287, 289, 294, 301
Rodighiero, G., 237, 239, 241
Rodionov, Yu. V., 224
Roedel, H., 136
Roemer, D., 90, 93, 100
Roenigk, H. H., 238, 248-51
Rogart, R. B., 19, 20, 33
Rogers, A. W., 345
Rogers, M. C., 484
Rogers, W. H., 460
Rohde, H. J., 260, 272
Rohde, W., 272
Rohrschneider, J. M., 275
Rojas, E., 19, 34, 553
Rojas, M. P., 537
Rokach, J., 60
Roman, L. R., 399
Romey, G., 21, 22, 24, 30, 32-34
Romhanyi, T., 369
Rommelspacher, H., 60, 61, 67, 69
Rónai, A. Z., 94, 96, 100
Ronneberger, H. J., 204, 205, 320
Roques, B. P., 84, 85, 97
Rorsman, H., 242
Rosch, J., 479
Rosdahl, I. K., 242
Rose, J. C., 484, 498
Rose, J. K., 271
Rose, K. M., 267
Rosegay, A., 60
Rosen, O. M., 364-67, 373, 374
Rosenbaum, D., 121
Rosenberg, P., 225
Rosenberg, R. N., 347
Rosenberry, T. L., 30
Rosenblatt, M., 455
Rosenfeld, R., 367, 373
Rosengarten, H., 60
Rosengren, A. M., 242
Rosengren, E., 242
Rosenthal, D., 611
Rosin, D., 556
Ross, C. A., 117
Ross, D. (H.), 67, 68, 554, 560-62, 564-67, 569, 626
Ross, E. M., 595
Ross, J., 268, 476

Ross, M. J., 339
Ross, S. B., 114
Ross, S. S., 287, 289
Rosselin, G., 216
Roth, J., 216, 355
Roth, R. H., 372, 553, 570
Rotskoff, K. S., 481
Rott, R., 274, 275
Rouhicek, J., 105
Rouse, S. H., 287
Roush, B. W., 113
Roush, M. E., 120
Rousselle, J.-C., 113
Routtenberg, A., 68, 570
Rowe, H., 152, 153, 166
Rowland, M., 47, 390, 392-94, 396, 405-8
Rubalcava, B., 217, 218
Rubenstein, A. H., 47
Rubenstein, J. A., 61
Ruberto, M. G., 347
Rubin, A., 158
Rubin, B., 498
Rubin, C. S., 364-66, 373, 374
Rubin, L. L., 309, 312, 313
Rubin, P., 398
Rubin, R. P., 309, 372
Rubin, S., 482, 489, 503
Rubin, S. A., 500, 502
Rubinson, K. A., 22
Rubovits, R., 546, 547
Rübsamen, K., 321
Rudhardt, M., 47
Rudinger, J., 96
Rudolph, A. H., 250
Rudolph, S. A., 373, 375
Rudy, B., 24
Rufini, S., 312
Rugg, E. L., 584
Rule, J. D., 291, 296
Rummel, W., 174
Ruprecht, H., 600
Rush, J. E., 291
Ruskin, H. D., 174
Ruskin, J. N., 500
Russell, A. S., 344, 347
Ryan, C. W., 154
Ryan, D., 515-18, 520, 522-24, 526
Ryan, R. J., 355
Ryan, T. J., 496
Ryden, R., 186, 187
Rylatt, D. B., 370, 372, 377, 378
Rzesa, G., 247

S

Saal, S., 47, 49
Sabey, G. A., 186, 187
Sabol, S. L., 590
Sachs, L., 513, 523, 524
Sahashi, K., 340, 341, 343
Sakaguchi, G., 313
Sakai, M., 242
Sakai, Y., 28
Sakakibara, H., 340, 341
Sakamoto, Y., 133, 135
Sakanata, A., 489
Sakmann, B., 339
Salem, N., 220
Salem, N. Jr., 564, 566
Saletu, B., 119
Sallan, S. (E.), 159, 160
Salmon, S. E., 159, 160, 166
Salpeter, M. M., 343, 345, 348
Salpeter, S., 339
Salvaggio, M., 69
Salyer, W. R., 349
Salzman, E. W., 585
Samal, B., 433
Samanin, R., 120
Samokhvalo, G. I., 224
Samokhvalov, G. I., 224
Sancilio, L. F., 113
Sander, S., 436
Sandermann, H. Jr., 219, 220
Sanders, D. B., 350, 351
Sanders, H. D., 155
Sanders, J. K. M., 24
Sandler, M., 58
Sandman, C. A., 81, 87, 89, 91-93
Sandquist, V. L., 469
Sanfaçon, G., 571
Sang, D., 66
Sang, E., 467
Sanghvi, I., 562, 563
Sanghvi, I. S., 554, 558, 562
Sannwald, C., 238
Sano, M., 364, 368
Sano, Y., 600
Santa, T., 343, 354
Santagostino, A., 104
Santana de Sa, S., 324
Santi, R., 64
Sapira, J. D., 464
Sarantakis, D., 104
Sarkar, D., 373
Sarna, S., 137
Sarnoff, S. J., 475, 486
Sashchenko, L. P., 369, 377
Sastry, B. S. R., 117
Sato, M., 64, 156, 157
Sato, R., 203
Satterfield, J. R., 342, 354
Satwenberg, J., 346
Satyamurti, S., 341, 343, 354
Saur, W., 585
Savage, C., 471
Savin, S. M., 617
Savlov, E. D., 431, 433
Sawynok, J., 571
Sax, D. S., 546
Scadding, G. K., 344, 346, 347
Schabel, F. M. Jr., 275
Schaefer, H., 238, 249
Schaefer-Ridder, M., 516, 523, 524
Schaeffer, H. J., 265, 266, 272, 423
Schaeffer, T. R., 498
Schalla, W., 249
Schally, A. V., 87, 89, 91-93, 104
Schalm, S. W., 405
Schanda, H., 119
Schantz, E. J., 19, 24, 308, 313, 314
Schary, W. L., 405
Schenker, S., 394, 404, 405, 408
Scherer, R., 243
Schersten, B., 191, 193
Schettini, G., 120
Schiebler, W., 213
Schild, G. C., 263, 270
Schiller, P. W., 86, 87, 89, 90, 92-94
Schimerlek, M., 338
Schindler, G., 224
Schirner, H., 294, 295
Schjerve, M., 119
Schlatter, C., 177, 179
Schlesinger, S., 275
Schlessinger, J., 217
Schlichter, D. J., 375, 376
Schlosser, L., 69
Schlossmann, H., 11, 12
Schmassmann, H. (U.), 514, 515, 518, 519, 525
Schmidt, A., 271
Schmidt, F. G., 274
Schmidt, H., 27-33, 247
Schmidt, M. F. G., 274, 275
Schmidt, R. F., 27
Schmidt, S., 211, 213
Schmidt, W. K., 558, 562, 572
Schmitt, H., 103
Schmitt, M., 243
Schmitt, O., 27-30
Schmoll, M., 251
Schneider, H., 260
Schneider, J. H., 299
Schnitzer, T. J., 274
Schnoes, H. K., 19, 24
Schocken, D. D., 583, 587
Schoeller, D. A., 609
Schoenemann, P. T., 49
Schoenfield, R. I., 106
Schoßeld, P., 600
Scholtissek, C., 274, 275
Schopf, C., 56
Schramm, M., 209, 210
Schreiber, E. C., 398
Schrier, R. W., 45
Schroder, K. F., 538
Schroeder, H. A., 489
Schueller, C. G., 301

Schüle, D., 237
Schultheisz, R. J., 295, 296
Schultz, A. M., 276
Schultz, C. A., 179, 182, 190
Schultz, G., 585
Schultz, J., 160
Schultz, K., 221
Schultz, R. O., 422
Schulz, J., 163
Schulze, I. T., 274
Schumm, F., 347
Schutterle, E., 46
SCHUYTEN-RESNICK, E., 463-74; 470
Schwab, M. E., 320
Schwab, R. S., 348, 349
Schwartz, A., 46-48
Schwartz, B., 419
Schwartz, I. W., 167
Schwartz, J. C., 84, 85, 97
Schwartz, L. K., 470
Schwarz, J. R., 18
Schwarz, R. T., 274, 275
Schwarzacher, H. G., 246
Schweitz, H., 34
Schweppe, J. S., 372
Schwin, R., 165
Schwyzer, R., 90
Scopacasa, F., 120
Scott, G., 520-22
Scott, J. A., 296
Scott, W. R., 18, 21
Scott, Y. B., 296
Scroop, G. C., 498
Scuka, M., 32, 33
Seal, S. N., 271
Sealock, R., 211, 213
Seamans, M. L., 422
Sears, E., 346
Sears, M. E., 432
Seaton, A., 154-56
Sedvall, G., 618
Seegmiller, J. E., 269, 273
Seeman, P., 553
Seery, V. L., 365, 366, 368, 369
Sefton, B. M., 274
Sega, R., 47
Segal, D. S., 106
SEGALOFF, A., 429-39; 432, 436, 437
Sehgal, V. N., 238, 249
Seibert, G., 267
Seidegard, J., 514
Seidel, H. J., 273
Seidler, F. T., 69
Seifert, S., 212
Seifried, H., 514, 518-20, 525, 526
Seligman, B. R., 165
Selkirk, J. K., 524
Sellers, E. M., 408
Sellers, P. W. H., 422
Sen, G. C., 363
Sen, I., 325, 326, 328
Senault, B., 84, 85
Senay, E. C., 467
Sennello, L. T., 186, 187
Senni, I., 312
Serrill, W. S., 47
Sessa, G., 208
Setlow, R. B., 244
Sevcik, C., 29
Severin, E. S., 369, 377
Sewell, R. D. E., 120
Sewell, W., 293, 295
Seyama, I., 26, 28, 29
Seybold, M. E., 340-47, 350, 351, 353
Shaar, C. J., 104
Shabshelowitz, H., 117
Shaddix, S., 275
Shader, R. I., 191, 194
Shaila, S., 363
Shain, W., 322
Shamma, M., 56, 65
Shand, D. G., 49, 390, 392, 395, 396, 402, 404
Shanes, A. M., 553
Shannon, W. M., 275
Shapira, R., 368
Shapiro, B. I., 32-34
Shapiro, B. J., 155, 156
Shapiro, D., 161
Sharma, O., 261, 270
Sharma, R. A., 268
Sharma, R. K., 372
Sharma, S. K., 223, 570
Sharma, V. K., 583, 586, 598, 599
Sharman, D. F., 541
Sharoff, R., 464
Sharp, A. R. Jr., 47
Sharp, C., 626
Sharpe, D., 542, 544
Sharpe, N., 499, 500
Sharpe, R., 95
Sharpey-Schafer, E., 1
Shatkin, A. J., 270, 271
Shattil, S. J., 209, 210, 219
Shaw, A., 596, 597
Shaw, G., 546
Shaw, J. M., 398
Shaw, J. S., 84-87, 89-96, 98, 100, 102, 105
Shaw, T. I., 19
Shea, C., 238
Shear, L., 47
Shear, M., 593, 595
Shechter, Y., 217
Sheehan, P., 590
Sheetz, J., 208
Sheff, M. F., 308, 318-20
Sheiner, L. B., 389
Shenolikar, S., 377
Shepherd, J. T., 140
Sheppard, H., 64, 65, 67
Sherlock, S., 401
Sherman, A. D., 115
Sherman, J. D., 347
Sherry, J. M. F., 363
Sherwin, R. S., 47
Sheumack, D. D., 18
Shev, E. E., 344, 346, 349, 353
Shibnev, V. A., 377
Shibuya, M., 541
Shier, W. T., 66
Shigei, T., 139
Shikimi, T., 560, 571
Shimamoto, K., 61, 62
Shimomura, R., 369, 370
Shimoni, Y., 310
Shindelman, J. E., 215, 216
Shine, K. I., 499, 503
Shinitzky, M., 209, 210, 219
Shipman, C., 265, 267
Shipman, C. Jr., 260, 261, 264, 269, 270, 272
Shishkova, L. D., 27
Shiwaku, Y., 85
Shlatz, L. J., 375, 376
Shlyapnikov, S. V., 369, 377
Shoemaker, D. W., 61
Shoeman, D. W., 49, 50
Shoji, M., 364-66, 368, 369, 372
Shonk, R. F., 64
Shopsin, B., 119
Shoulson, I., 545, 546
Shrager, P., 20, 22, 33
Shuba, M. F., 133
Shugar, D., 268
Shull, H. J., 405
Shulman, L., 363
Shum, L. Y., 405
Shuman, R., 87, 93, 94, 100
Shuster, J. J., 423
Siddiqui, A. H., 238
Sidell, F. R., 152, 166
SIDWELL, R. W., 259-84; 259, 261, 266, 273, 275
Siegel, G., 136
Sieghart, W., 375
Siekevitz, P., 308, 309, 311-13
Siem, R. A., 262
Sigworth, F. J., 23
Silber, R., 60
Silfverswärd, C., 431
Siltanen, H., 121
Silverstein, M. N., 349
Sim, V. M., 152, 166
Simantov, R., 69, 203, 221
Simmons, D. L., 27
Simon, E. J., 219-21, 559, 565
Simon, L. N., 261, 273
Simon, N. M., 47
Simon, R., 434, 436
Simon, R. C., 298
Simonnet, G., 372
Simonovic, M., 104, 120

Simons, E. L., 47
Simons, P., 49
Simonson, L. P., 69
Simpkins, H., 208
Simpson, C. W., 66
Simpson, D., 276
Simpson, F. O., 490
Simpson, I. J., 351
Simpson, J., 337, 344
Simpson, J. A., 345, 347
Simpson, L. L., 308, 313, 314, 318
Sims, M., 553
Sims, P., 513, 515, 518, 519, 523, 524
Sine, S., 339
Singbartl, G., 69
Singer, I., 45
Singer, S., 208
Singer, S. J., 202, 203
Singh, G., 248
Singh, T. J., 363
Singhakowinta, A., 433
Sinha, A. K., 209, 219
Sitar, D. S., 405
Sjöberg, B., 264, 266
Sjödin, T., 321-23, 328
Sjoholm, I., 50
Sjoqvist, B., 617
Sjoqvist, F., 119
Sjöström, R., 546
Skillen, A. W., 48
Skinner, P., 495
Skogh, M., 238
Skolnick, P., 64, 67
Skuster, J. R., 372, 378
Slater, E. A., 262
Slater, G., 346, 349, 350
Slater, I. H., 121
Slater, S., 121
Slepushkin, A. N., 270
Sloane-Stanley, G. H., 13
Slone, F., 341
Slotkin, T. A., 69
Sloviter, R. S., 113
Small, D., 378
Smallwood, J. K., 615
Smelser, G. K., 421
Smissman, E. E., 62
Smith, A. P., 203, 220
Smith, B., 70
Smith, C. B., 138, 539
Smith, C. F. C., 86, 87, 89, 91-93
Smith, C. I. E., 346
Smith, C. M., 261
Smith, D., 521
Smith, D. J., 142
Smith, G. A., 218, 219
Smith, G. S., 346
Smith, H. J., 480
Smith, J. E., 310
Smith, J. L., 47
Smith, J. R., 65
Smith, J. W., 324
Smith, L., 245
Smith, M., 211, 213
SMITH, R. A., 259-84; 261, 270
Smith, R. M., 598
Smith, S., 435
Smith, S. H., 265, 267
Smith, T., 85, 94
Smith, T. W., 85, 93, 94
Smith, W. M., 500
Smithwick, E. L., 87, 93, 94, 100, 102
Smyth, D. G., 85-87, 89
Smythe, G. A., 120
Smythies, J., 103
Sneddon, J. M., 224
Snell, C. R., 85-87, 89
Snider, S., 122
Sniderman, A. D., 483
Snoddy, H. D., 113-15, 120
Snowman, A. M., 561, 566, 567
Snyder, S. H., 69, 113, 203, 219-21, 224, 467, 544, 547, 555, 561, 565-67, 581-84, 590
Snyderman, R., 600
Sobel, A., 212, 338, 339
Soderling, T. R., 369, 370
Soeda, Y., 30
Sofia, R. D., 156, 157, 164, 166
Solaro, R. J., 371
Sold, G., 364
Soll, A. H., 216
Solliday, N. H., 155
Solomon, T. A., 156, 157
Solomon, T. E., 461
Sommer, A., 543
Somogyi, A., 517
Søndergaard, J., 241, 242
Sonders, R. C., 186, 187
Sone, H., 617
Song, S. K., 309
Sonnenblick, E. H., 476, 477, 492, 497
Sonty, S., 419
Sood, S., 301
Soret, M. G., 262
Souadjihan, J. V., 349
Sowinska, H., 117
Spalding, B. C., 23
Spalding, J. M., 318, 345
Spampinato, S., 104
Spann, M. L., 296
Speichermann, N., 364, 366, 368, 369
Speight, T. M., 489, 490
Spence, I., 18
Spencer, P. S. J., 120
Sperk, G., 121
Sperry, P. J., 366, 367, 369, 370, 372
Speth, O. C., 47
Spiker, M., 158
Spingarn, N. E., 523
Spitler, L. E., 344, 346, 347, 349, 353
Spitz, J. M., 47
Spitzer, N., 314, 317
Spitzer, N. C., 314
Spohn, W., 271
Spokes, E., 543
Spokes, E. G. S., 538, 539, 541, 543-45
Spreafico, R., 543
Spring, P., 47
Springer, J. P., 19
Srivastava, B. I. S., 260, 265
Stacey, G. J., 84-87, 89-96, 100, 102, 105
Staerk, J., 204, 205
Stallcup, W. B., 29, 32
Stamm, N. B., 121
Stammer, C. H., 91
Stampfli, R., 21, 31
Stanski, D. R., 389
Stark, J. E., 262
Stark, P., 162, 163, 165
Starke, K., 583, 584
Starkus, J. G., 29
Starmer, G. A., 164
Stasiecki, P., 525
Statland, B. E., 404
Stavorski, J. M., 117
Stebbins, R. D., 60
Steck, W. D., 251
Steel, R. W., 422
Steele, R. A., 156, 157
Steer, M. L., 581, 582
Steere, W. C., 290, 291
Steffenrud, S., 612, 618
Stein, H. J., 423
Stein, L., 100
Steinbach, J. H., 339
Steinberg, D., 369, 370, 372
Steinberg, M., 117
Steinberg, R. A., 373
Steinbrunn, W., 47, 396
Steiner, A. L., 367
Steiner, I., 249
Steiner, S., 47
Steiner, S. M., 274
Steinhardt, R. A., 314, 316
Steinitz, R., 246
Stenberg, K., 261, 264, 266, 270
Stengelin, S., 35
Stening, G., 261, 264, 266
Stenson, R. E., 396
Stern, B. T., 301
Stern, G. M., 58
Stern, P., 557
Stern, R. S., 245, 248
Sternick, B. R., 296
Sternon, J., 347

Stevens, C. F., 339
Stevens, S. C., 434
Stewart, D. D., 484
Stewart, G. L., 47
Stewart, R. M., 121
Stillman, R. C., 625
Stirner, H., 315
Stobaugh, R. E., 291, 296
Stock, K., 56, 64
Stöckel, K., 320
Stocks, A., 320
Stohr, M., 347
Stolkin, C., 319
Stolzenbach, G., 431
Stoming, T. A., 517
Stone, C. A., 117
Stone, H. O., 270
Stoolman, L. M., 589
Storm, D. R., 219
Storstein, L., 47, 49
Stoughton, R. B., 250
Stowe, D. F., 480
Strandell, T., 403, 404
Strandjord, T. P., 367
Straub, R., 25
Strauss, A., 119
Strauss, A. J., 347
Strauss, S., 60, 67
Streeter, D. G., 261, 273
Streifler, M., 122
Strichartz, G., 17
Strichartz, G. R., 19-22, 24, 29, 33
Stridh, S., 261, 264, 266
Strittmatter, W. J., 210, 211, 596
Strom, D. R., 219
Strom, J., 492
Strombom, J., 58
Strong, C. G., 140
Strong, F. M., 19, 24
Strong, J. M., 47, 48, 613
Strong, P. N., 321, 323
Strosberg, D., 600
Stroud, R. M., 339
Stubbs, W. A., 104, 105
Stull, J. T., 363, 371, 372
St. Vincent, L., 271
Su, M. J., 321, 324
Su, Y.-F, 592, 593, 595
Subak-Sharpe, J. H., 268
Suckling, C. J., 539, 545
Sugar, J., 270, 422
Sugden, P. H., 365, 366, 373
Sugiyama, H., 308, 313, 314
Sugrue, M. F., 114, 120
Sulkowski, E., 276
Sullivan, D. L., 559
SULLIVAN, H. R., 609-21; 611, 612, 616
Sullivan, S., 559
Sulman, F. G., 205, 213
Sulpizio, A., 121
Summerskill, W. H. J., 405
Sun, J. V., 216
Sundaralingam, M., 261
Sundquist, H., 179, 185
Sundwall, A., 543
Suria, A., 553
Sussman, P., 152, 166
Suszkiw, J. B., 316
Sutak, M., 571
Sutherland, V. C., 567
Sutliff, L. S., 372
Sutoo, D. T., 544
Sutter, M. C., 135
Suzuki, H., 133, 135, 271
Suzuki, T., 139
Svedbergh, B., 421
Svennerholm, L., 204, 205
Svensson, L., 611
Swaisland, A., 513, 523
Swallow, D. L., 263
Swan, H. J. C., 475, 476, 480, 482, 483
Swanbeck, G., 240, 241, 246
Swartz, C. D., 50
Sweeney, D., 467
Sweet, C., 203
Sweeting, J., 403, 404
Sweetman, B. J., 611, 618
Swerts, J. P., 84, 85, 97
Symthies, J., 102
Szabo, G., 242
Székely, J. I., 94, 96, 100
Szelke, M., 95
Szentivanyi, A., 600
Szeto, H. H., 47, 49
Szmigielski, A., 367, 378

T

Tabatabai, L. B., 372, 378
Tachikawa, S., 556
Tafuri, W. L., 32
Taintor, Z., 466
Takahashi, M., 269
Takai, Y., 366, 368-70, 379
Takano, T., 482
Takats, A., 369
Takatsuki, A., 275, 276
Takeda, F., 219, 220, 564, 566
Takeda, M., 369, 379
Takemori, A. E., 120, 559, 560
Takemoto, K. K., 263
Takigawa, M., 347
Tala, E., 117
Tall, R., 262
Talseth, T., 485
Tam, D. W., 243
Tamarkin, N. R., 166
Tamassia, V., 186, 187, 189
Tampier, L., 67
Tamura, G., 275, 276
Tan, E. M., 489
Tanaka, J., 349
Tanaka, M., 34
Tanaka, R., 564
Tancini, G., 434
Tang, C. M., 29
Tank, A. W., 58
Tannenbaum, L., 237, 238, 247-49
Tanner, R. J., 612
Tannhauser, M., 158
Tansey, L. W., 63, 69
Tantum, K. R., 397
Tao, F. T., 612
Tarr, G. C., 423
Tarrab-Hazdai, R., 341
Tarsy, D., 546
Tasaki, I., 553
Taschner, H. (H.), 260, 261, 266, 272
Tashkin, D. P., 155, 156
Tate, R., 593, 594
Tate, R. L., 215, 216
Tatken, R. L., 297
Taylor, D., 66, 67, 69
Taylor, G. S., 130-32
Taylor, J. A., 49
Taylor, P., 309, 339
Taylor, R. E., 553
Taylor, R. R., 486
Taylor, W. R., 482
Tazman, R., 400
Tedeschi, G., 120
Tegner, E., 242
Teichholz, L., 489
Teitel, S., 64-67
Tellez-Nagel, I., 537
Temple, A. R., 290
Tenconi, L. T., 191, 192
Tennyson, V. M., 65
Tepperman, H. M., 216
Tepperman, J., 216
Terasaki, W. L., 589
Terenius, L., 81, 85, 89, 94, 98
Ternaux, J. P., 113
Terrien, E. F., 19
Terry, R. D., 537
Teshima, Y., 570
Tessmer, G. W., 372, 378
Tetzlaff, T. R., 185, 186
Texter, E. C., 498
Thakker, D. R., 513, 516, 521-24
Thanei, P., 90
Thesleff, S., 316-18, 321-24, 327
Thibodeau, L. A., 245, 248
Thienes, C. H., 558, 572
Thiessen, J. J., 408
Thiessen, W. E., 19
Thiry, L., 266
Thivolet, J., 238
Thoenen, H., 320, 520
Thoenen, T., 320
Thomas, H. C., 344, 346, 347

Thomas, M. A., 261, 264, 269, 464
Thomas, M. L., 177, 179, 185, 186, 188-91
Thomas, P. E., 514, 516, 518-20, 523-26
Thomas, R. C., 129-32
Thompkins, L., 614
Thompson, E. B., 434, 436
Thompson, F. D., 47
Thomsen, K., 244, 247
Thomson, P. D., 47, 396, 405
Thormann, J., 247
Thorner, G., 538
Thornton, E. W., 120
Thune, P., 246, 249
Thunold, S., 347
Thurman, J. A., 58
Thyresson-Hök, M., 240, 241, 246
Tikkanen, R., 179, 185
Tillikainen, A., 346
Tillisch, J. H., 499, 503
Tilstone, W. J., 400
Tindall, R. S. A., 347
Titanji, V., 370, 377
Titanji, V. P. K., 370
Tjandramaga, T. B., 47
Tkacz, J. S., 276
Tobias, G. S., 322
Toda, H., 321
Todd, A. R., 152, 154
Todhunter, J. A., 373
Tofano, M., 563
Tokuyama, T., 27
Tolkovsky, A. M., 208, 589, 590
Tolman, R. L., 275
Tomasi, V., 210
Tomasz, J., 270
Tomaszewski, M., 271
Tomberg, A., 294, 297, 301
Tomita, T., 133
Tomlinson, B. E., 539
Tone, H., 265
Tonge, D. A., 315, 318, 319
TOOTHAKER, R. D., 173-99
Torda, C., 315
Torisu, M., 349
Torlone, V., 237
Torrence, P. F., 268, 269, 272, 273
Toseland, P. A., 47
Tosolini, G. P., 186, 187, 189
Totaro, J. A., 113, 120
Toth, C. E., 64
Tournemine, C., 431
Townley, R., 600
Toyka, K. V., 344
Traber, J., 223, 570
Trager, W. F., 611, 612
Traina, M. E., 307
Trams, G., 431
Trautmann, A., 342, 343, 354
Trautwein, W., 27, 28
Traystman, R. J., 484
Tregear, G. W., 544
Trenner, N. R., 47
Trevisani, A., 210
Triebel, H., 274
Trifaró, J. M., 569
Triggle, D. J., 553
Trkula, D., 268, 269
Troll, D., 247, 250
Tromter, H., 237
Trout, R. G., 479
Trown, P. W., 267
Troxler, F., 581, 582, 589
Trsic, M., 626
Truhson, M. E., 113, 115, 118
Truog, R., 321, 326
Tsai, B. S., 583, 585, 588, 590, 601
Tsai, J. S., 597
Tsambaos, D., 249
Tse, J., 365, 366, 368
Tseng, L. F., 81, 100
Tsien, R. W., 371
Tsien, R. Y., 24
Tsugita, A., 515
Tsujihata, M., 340, 341, 343
Tsuneishi, S., 241
Tsuru, H., 139
Tuck, D., 119
Tukey, J. W., 460
Tulanay, F. C., 560
Tully, M. J., 422
Tun-Kyi, A., 90
Tuomilehto, J., 121
Tuomisto, J., 66
Turaev, O. D., 377
Turbow, M., 503
Turini, G. A., 497, 498
Turkanis, S. A., 156, 157
Turnberg, L. A., 405, 408
Turnbull, J., 209
Turnbull, M. J., 86, 89, 90, 96, 98, 100, 105
Turnbull, M. T., 84-87, 89-95, 102
Turner, A. J., 58, 59
Turoff, M., 289
Turpin, A., 319
Tute, M. S., 262
Twaddle, E., 432
Twomey, T. M., 490
Tyberg, J. V., 479, 480
Tyberg, T., 48
Tygstrup, N., 392, 403, 404
Tyrrell, D. A. J., 262, 270
Tzartos, S., 338, 342
Tzeng, M. C., 308, 309, 311-13

U

Ubatuba, F. B., 85-87, 89-94, 96
Udall, J. A., 399
Udenfriend, S., 521
Ueda, C. T., 399
Ueda, T., 373-75, 570
Ueki, S., 119
Uemura, N., 488
Uenishi, K., 570
Uhing, R. J., 378
Ulbricht, W., 16, 18, 20, 21, 25, 26, 28-31
Ulevitch, R., 340-42
Ulrikson, G. U., 298
Underwood, G. E., 262, 422
Underwood, S., 600
Unger, N., 261
Ungerleider, J. T., 161
Uno, I., 373
Unruh, B., 289
U'Prichard, D. C., 581-84, 590
Urakawa, N., 138
Urbach, F., 243
Urich, H., 537
Urquhart, N., 545
Urquilla, P. R., 134-36, 138-44
Ursing, B., 186, 187
Usherwood, P. N. R., 307
Ushijima, T., 241
Uzan, A., 115
Uzunov, P., 570

V

Vachon, L., 155, 156
Vachon, M., 560
Vagelos, P. R., 207, 213, 372
Vaheri, A., 263
Vahlquist, A., 251
Vaitkevicius, V. K., 433
Valderrama, R., 338
Valdimarsson, H., 243
Vale, J., 418
Vale, W., 104
Valencia, G., 91-93
Valley, S. L., 296, 297
Van Arsdale, P. M., 585, 595
Vanarsdel, P. P. Jr., 47
van Balgooy, J. N., 545
Van Camp, A. J., 299
vanCamp, S., 503
van Cantfort, J., 514
Van Deenen, L. L. M., 208
Van den Berg, P. M., 347, 350
Van den Berg-Loonen, P. M., 344, 346
Vandenbosshe, J. L., 347
Vandenheede, J. R., 363
VandenHeuvel, W. J. A., 60
Van der Geld, H. W., 347
VanDeripe, D. R., 65
Vander Stouw, G. G., 291, 296
Vandlen, R. L., 338
Vane, J. R., 85-87, 89-94, 96, 242, 497
van Gelder, M., 342
van Heyningen, S., 319

Van Heyningen, W. E., 204, 215, 319
Vanier, R., 571
Vanker, A. D., 325, 326
Van Leemput-Coutrez, M., 364, 365
Van Loghem, J. J., 344, 346, 347
Van Praag, H. M., 119
Van Ree, J. M., 559
Van Rossum, A. L., 344, 346, 347, 350
van Stone, J. C., 47
Van Woert, M. H., 121
Varanelli, C., 166
Vardi, J., 122
Vargaftig, B. B., 117
Vargas, R., 113
Varnell, E. D., 423
Vasquez, S. A., 120
Vassar, H. B., 164, 166
Vasta, B. M., 295
Vaughan, M., 204, 205
Vauquelin, G., 600
Veien, N. K., 251
Veilis, B., 106
Veinberg, A. Ya., 224
Veltri, J. C., 290
Venkataraman, R., 64
Venosa, R. A., 20, 33
Verbeeck, R., 47
Verberckmoes, R., 47
Verebey, K., 467
Verma, A. K., 244
Vermengo, M. J., 56
Vermes-Kunos, I., 598
Vernikos-Danellis, J., 66
Vesell, E. S., 397
Vessie, P. R., 533
Vessman, J., 189, 190
Vestal, R. E., 402
Vestersaard, P., 612
Vickers, C. F. H., 238
Vidal, M., 537
Viets, H. R., 349
Villegas, J., 29
Villegas, R., 17, 19, 20, 29
Vincent, A., 342, 344-47, 350, 352, 354
Vincent, M., 103
Vincent, M. M., 422
Vincenzi, F. F., 314
Virieux, C., 47
Viriya, J., 378
Viswanathan, T., 525
Viveros, O. H., 210, 211
Vizethum, W., 249
Vizi, E. S., 139
Vlachakis, N. D., 494
Vocci, F. J. Jr., 556
Vogel, W. H., 540
Vogt, M., 541
Volavka, J., 464, 467
Volden, G., 238, 244, 249
Volkind, R. A., 69
Volkman, P. H., 121
Volle, R. L., 323
Vollerthun, R., 320
Vollmer, E. P., 430
Vonderheid, E. C., 243
Von Graffenried, B., 105
von Oldershausen, H. F., 408
von Wedel, R. J., 321, 323
VOORHEES, J. J., 235-57; 237, 239, 241, 242, 249
Vossenberg, F. G. A., 203
Vozeh, S., 389, 400
Vrobel, T., 496, 498
Vukas, A., 251
Vyden, J. K., 483

W

Wachter, E., 34
Wada, J. A., 156, 157
Wade, D., 55
Wadskov, S., 241
Waeber, B., 497, 498
Wagner, D., 161
Wagner, G., 238, 249
Wagner, G. M., 327
Wagner, H.-H., 18, 20, 21
Wagner, H. R., 156, 157
Wagner, J., 598
Wagner, J. G., 390, 407
Wagners, L. T., 238, 249
Wagnild, J., 50
Wahlin, E., 189-91, 193, 194
Wahlström, A., 85, 89, 94, 98
Wainer, B., 222
Waisman, D. M., 363
Wake, C. J., 47
Waksvik, H., 246
Walan, A., 186, 188
Walford, B. L., 346
Walford, R., 346
Walinsky, P., 476
Walker, C. H., 514
Walker, D. F., 296
Walker, D. F. Jr., 296
Walker, J., 163
Walker, J. E., 546
Walker, J. M., 81, 87, 89, 91-93
Walker, K., 66, 67
Walker, K. E., 63
Walker, R. W., 60
Wall, M. E., 161, 611
Wallace, J. E., 67, 68
Wallace, S., 408
Wallach, D., 375, 376
Wallach, S., 47
Walle, T., 615
Walle, U. K., 615
Waller, M. B., 121
Wallin, L., 191, 193, 249
Wallis, C., 262
Walsh, D. A., 62, 363-65, 367-70, 375
Walsh, J. A., 498
Walsh, M. J., 55, 56, 58, 67, 72
Walshe, J. M., 558
Walter, B., 338, 339, 342
Walter, J. F., 237, 239, 249, 250
Walter, R. D., 273
Walter, U., 373
Waltman, S. R., 418, 423
Walton, G. M., 364, 366, 367
Wang, C. M., 32, 33
Wang, I. Y., 513, 523, 524
Wang, J. H., 24, 363
Wang, J. L., 312
Wang, P., 515, 518-20
Wang, P. F. L., 546
Wang, Y. J., 203
Ward, C. D., 350, 352, 354
Ward, D. C., 266, 268, 269, 272, 423
Ward, M., 544
Warin, A. P., 238, 242
Waring, M., 274
Warner, B. T., 113
Warner, H., 399
Warnick, J. E., 27
Warren, G. B., 218, 219
Warren, R., 434, 436
Warren, S., 205
WASHTON, A. M., 463-74; 466-68
Washüttl, J., 249
Wassilwe, S. W., 243
Watabe, T., 522
Watanabe, A., 553
Watanabe, A. M., 166, 547, 596
Watanabe, K., 557, 563
Watanakunakorn, C., 177, 179
Waterfield, A. A., 87, 89, 92, 93
Waters, C., 533
Waters, H. L., 243
Watkins, J. C., 225
Watson, C. E., 291, 296
Watson, D. C., 369, 376, 377
Watson, J. T., 618
Watt, D. D., 31
Wattenberg, L. W., 179, 184, 195
Watts, A., 328
WAY, E. L., 553-79; 623-30; 221-23, 554-59, 561, 562, 564, 565, 567, 569, 572
Weatherstone, R. M., 154-56
Webb, W., 213, 214
Webb, W. W., 214
Weber, B., 617
Weber, G., 212, 238
Weber, H., 367
Weber, L. A., 271
Weber, M., 338, 339

Wecker, E., 271
Wecker, L., 348
Wedeking, P. W., 546
Weed, S. D., 262
Weems, W. A., 137
Weger, P., 558, 572
Wei, C. M., 270
Wei, E., 102, 103
Wei, E. T., 100
Weichert, V., 471
Weigele, J. B., 22
Weiland, G. A., 67
Weiland, L. H., 345, 349
Weill, C. L., 338
Weinberg, C. B., 344
Weiner, C. D., 63
Weiner, H., 56, 58
Weiner, N., 137, 138
Weiner, R. I., 120
Weiner, W. J., 547
Weinstein, G. D., 243
Weinstein, I. B., 513, 523
Weinstein, L., 262
Weinstock, M., 290
Weinstock, M. M., 315
Weishaupt, K. R., 251
Weismann, K., 242
Weiss, B., 601
Weiss, C., 31
Weiss, G., 156, 157
Weiss, G. B., 555
Weiss, G. K., 158
Weiss, J. L., 166
Weiss, L., 346
Weissbach, A., 260
Weissman, A., 165
Weissman, G., 208, 264
Weissmann, I., 238
Wekerle, H., 346
Welch, G. H. Jr., 486
Weller, M., 570
Wellhöner, H. H., 320
WELLING, P. G., 173-99; 173, 176, 177, 179-82, 185, 187, 188, 190, 191, 195, 196
Wellings, P. C., 422
Welsch, F., 432
Wendon, L. M. B., 319
Wenger, H. C., 117
Wennersten, G., 191, 193, 241, 249
Werner, G. H., 274
Werner, J., 484, 485, 488, 506
Wernicke, J. F., 325, 326
Wernig, A., 315
Wessels, M. R., 594
West, A., 517
West, L., 365, 366, 373
West, S., 523, 524
Westbrook, L., 275
Westerfield, M., 35
Westerlund, D., 188, 189
Westermann, E., 56, 64
Westfall, D. P., 134, 135, 138-44
Westphal, A., 535
Wetstone, D. L., 559
Wettermark, G., 251
Whaler, B. C., 314
Whaley, W. M., 59
Wheeler, T. J., 120
Whelan, R. F., 498
Whitcomb, C., 495
White, H. A. D., 238, 239, 241, 242, 249
White, P., 539
White, T. A., 485
White, T. D., 553
White, W. L., 434
Whitmore, G. F., 272
Whitmore, W. L., 69
Whittaker, J. N., 347
Whittaker, K., 503
Whittaker, V. P., 316, 319
Whittingham, S., 341-46, 350, 353
Whitworth, C. G., 484
Wickham, E. A., 262
Wicks, N., 466
Wickson, R. D., 553
Widman, M., 556
Wiegand, H., 320
Wiegandt, H., 204, 205, 319, 320
Wiesel, F.-A., 618
Wieshahn, G. P., 251
Wiesmann, U. N., 246
Wiesner, K., 27
Wight, A., 213, 214
Wikler, A., 464, 465
Wildenthal, K., 596
Wilk, S., 119
Wilkening, D., 570
Wilkerson, R. D., 371
Wilkins, R. W., 484, 485
Wilkinson, G. R., 49, 390, 392, 395, 396, 402, 404, 405, 408
Wilkinson, S., 85-87, 89-94, 96, 105
Willardson, D. G., 47
Willette, R., 469
Willette, R. E., 626
Williams, G. H., 497
Williams, J. C., 275
Williams, L. T., 581, 582, 584, 585, 588, 590, 595-97, 600
Williams, M. E., 293-96, 299, 300
Williams, N., 570
Williams, R., 401, 492
Williams, R. E., 377
Williams, R. J. P., 555
WILLIAMS, R. L., 389-413; 398, 405-8, 490
Williams, R. S., 597, 599
Williams, S. D., 159, 160, 166
Williams, T. L., 615
Williamson, G. M., 262
Willingham, M. C., 217
Willis, I., 246
Willis, R. C., 269, 273
Wills, R. J., 179, 182, 190
Willson, C. G., 95
Wilson, A. E., 611
Wilson, C. B., 351
Wilson, G. A., 291, 296
Wilson, L., 251
Wilson, P. R., 120
Wilson, R. S., 154, 164, 165
Wilson, S. G., 344, 350, 352, 354
Winand, R. J., 214-16
Winer, B., 261, 271
Winer, B. J., 443, 445
Winkelstein, J. A., 344
Winkle, R. A., 47
Winkler, K., 392, 393, 403, 404
Winne, D., 176, 400
Winterbauer, R. H., 47
Wislocki, P. G., 516, 523, 524
Witkop, B., 26-28, 513, 521
Witkowski, J. T., 259, 261, 266, 273
Wittliff, J. L., 431, 434
Wolcott, R. G., 212
Wolen, R. L., 611, 614, 616
Wolfe, B. B., 584, 592, 600
Wolff, D. J., 570
Wolff, H. G., 315
Wolff, K., 238, 242, 243, 246, 248, 249, 251
Wolff-Schreiner, E. C., 246
Wolska, H., 245
Wong, D. T., 113-15, 565
Wong, K. C., 559
Wonnacott, S., 314-16
Wood, A. J., 490
Wood, A. J. J., 402
Wood, A. W., 513, 516, 523, 524
Wood, B. L., 287, 289, 301
Wood, C. L., 583, 587, 593
Wood, P. G., 611, 612
Woodard, C. J., 581
Woodhead, A. D., 244
Woodhull, A. M., 21, 22
Woodland, J., 344
Woodman, D. R., 275
Woodson, B., 271
Woody, G. D., 467
Woolley, D. W., 223, 224
Woosley, R. L., 48
Wouters-Leysen, J., 60
Wrange, Ö., 431
Wray, S. H., 347
Wright, A. M., 292
Wright, G. P., 318

Wright, J., 205, 615
Wright, J. M., 546
Wright, P., 422
Wu, B. C., 271
Wu, C. H., 34
Wu, J., 214
Wu, W. C. S., 314, 338
Wu, Y. C., 212, 221
Wulf, H. C., 246
Wunderer, G., 34
Wünsch, E., 98
Wurtman, J. J., 120
Wurtman, R. J., 113, 117, 120, 546
Wyatt, G. R., 364
Wyatt, R. J., 60
Wykes, A. A., 297
Wyman, J., 30, 32

Y

Yablonski, M. E., 418, 419
Yacobi, A., 399, 407
Yagi, H., 513, 516, 518, 521-24
Yahara, I., 312
Yaksh, T., 120
Yaksh, T. L., 120
Yam, C. F., 86, 87, 89, 92-94
Yamaguchi, I., 64
Yamamoto, H., 349, 561, 562, 564, 569
Yamamoto, M., 368, 369, 379, 556
Yamamoto, T., 119, 133
Yamamura, H., 366, 368-70
Yamamura, H. I., 543, 544, 547
Yamanaka, Y., 56, 58, 62, 67
Yamasaki, E., 523
Yamashiro, D., 100
Yamashita, K., 217, 218
Yamashita, N., 32, 33
Yamazaki, R., 570
Yang, H. Y. T., 544
Yang, K. H., 313
Yang, S. K., 513, 521-24
Yang, T.-H., 120
Yano, C., 342
Yasunobu, K. T., 34
Yates-Aggerbeck, M., 600
Yeaman, S. J., 369, 370, 374, 377
Yee, Y.-G., 398
Yeh, H. J. C., 522
Yeh, J. Z., 30
Yelenosky, R., 351
Yen, T. T., 121
Yesair, D. W., 49
Yim, G. K. W., 176
Yogeeswaran, G., 338
Yoneda, M., 319
Yong, M. S., 205
York, J. L., 120
Yoshida, S., 260
Yoshikami, D., 343
Youdim, M. B. H., 113
Young, A., 320
Young, J. D., 377
Young, L. H., 596
Young, P. A., 271
Young, R. B., 115
Young, R. R., 345
Yu, T-F., 48
Yuen, K. K., 461
Yunger, L. M., 115
Yusa, A., 263

Z

Zacest, R., 485
Zacks, S. I., 308, 318-20
Zagalak, M.-J., 618
Zahar, M., 238, 249
Zahn, D. A., 452
Zahn, K., 261, 266
Zahn, R. K., 260, 261, 266, 267, 272-74
Zakis, O., 160, 163
Zaks, A., 464
Zalc, B., 223
Zaltzman-Nirenberg, P., 521
Zam, Z. S., 422
Zambon, F., 241
Zanussi, C., 347
Zar, M. A., 322
Zarebska, Z., 247
Zatman, L. J., 314
Zaynoun, S., 242
Zelis, R., 481, 496
Zeller, E., 346
Zenker, V., 56
Zetler, G., 69
Zetterqvist, Ö., 370, 377-79
Zhdanov, V. M., 264
Ziboh, V. A., 242
Ziege, E. A., 611, 614, 616
Ziegelgänsberger, W., 566
Ziegler, A., 322
Ziegler, M. G., 121
Ziegler, W., 204, 205
Ziffer, H., 521
Zilberstein, A., 363
Zilko, P. J., 347
Zilly, W., 405
Zimmer, G., 274
Zimmer, R., 119
ZIMMERMAN, T. J., 415-28; 418-20
Zimmerman, T. P., 266, 273
Zimmermann, H., 316
Zinberg, N. (E.), 159, 160
Zito, R. A., 397
Zlotkin, E., 31
Zsilla, G., 570
Zull, J. E., 203
Zunino, F., 273
Zutshi, D. W., 344
Zwisler, O., 319, 320

# SUBJECT INDEX


A

A23187
  and opiate/ion studies, 556, 570–71
Absorption of drugs
  in cardiac and hepatic disease, 389–409
  food effects on, 177–94
  in ocular pharmacology, 415–17
  percutaneous, 625
Abstracting and indexing
  and toxicology information, 290
Accumulation
  of drugs in renal failure, 49, 51
Acetaldehyde
  and TIQ formation, 56, 64
Acetaminophen
  quantitative analysis of, 612
  renal aspects of, 47
Acetazolamide (Diamox®)
  as glaucoma treatment, 160
2-Acetylaminofluorene
  and epoxy hydrase studies, 526–27
Acetylcholine (ACh)
  and electrogenic pump, 140–41
  in Huntington's disease, 543, 546
  neurotoxin effects on, 308–9, 311, 314–18, 321–22, 324, 328
  and opiate/ion studies, 556, 559, 571
  and opiate receptors, 627
  receptor mechanisms, 205, 212
    in myasthenia gravis, 337–55
Acetylcholinesterase
  and myasthenia gravis, 345, 348, 355
L-Acetylmethadol (LAAM)
  and heroin treatment, 625
  and ion interactions, 560
N-Acetylprocainamide (NAPA)
  bioavailability of, 613
Acetylsalicylic acid
  elimination of
    in cardiac and hepatic disease, 394
Acetylstrophanthidin
  and electrogenic pump, 140
N-Acetyltransferase
  and hydralazine, 485
Acid-phosphatase
  in Huntington's disease, 537
Aconitine
  and sodium channels, 25, 27–30, 32, 36
ACTH
  and serotonin function, 120
Actinomycin
  antiviral action of, 273
Acupuncture
  and serotonin neurons, 120
Acyclo-G
  [9-(2,2-hydroxyethoxy-methyl)guanine(A-cyclo-guanosine)]
  and antiviral mechanisms, 265–66, 268
Acyclo-GTP
  and antiviral mechanisms, 265
Acyclovir
  in antiviral therapy, 423, 425
Addiction
  see Opioid dependence treatment
Adenosine deaminase
  and antiviral mechanisms, 267
Adenosine kinase
  and antiviral mechanisms, 269
Adenosine triphosphate (ATP)
  and antiviral mechanisms, 266–68
  discoverer of, 6
  and ion-opiate interactions, 554
  and neurotoxin effects, 326–27
Adenosine triphosphatase (ATPase)
  opiate effects on, 568–69
S-Adenosylhomocysteine hydrolase
  and antiviral actions, 260
S-Adenosylmethionine (SAM)
  and receptor mechanisms, 211
  and TIQ analysis, 58, 60
Adenylate cyclase
  and adrenergic receptors, 585, 588–91, 593–95, 598
  and calcium regulation, 553, 569–70
  and postjunctional supersensitivity, 142
  and receptor mechanisms, 203–5, 208–11, 217–19, 223, 226
Adrenalectomy
  and adrenergic receptor studies, 600
Adrenaline
  effect of MAO on, 11–13
  see Epinephrine
α-Adrenergic blockers
  hemodynamic effects of, 499
β-Adrenergic blockers
  and glaucoma therapy, 417–18
  and propranolol elimination, 395
Adrenergic receptors
  radioligand binding studies, 581–601
    adrenalectomy, 600
    α-adrenergic receptor subtypes, 582–84
    desensitization, 591–96
    disease-associated changes, 600–1
    hyper- and hypothyroidism, 596–99
    introduction, 581–82
    regulation by guanine nucleotides, 585–91
    summary, 601
  role of lipid in, 205–11
β-Adrenergic receptor antagonist
  and drug absorption, 185
α-Adrenoceptor antagonists
  and electrogenic pump, 139
Adrenomimetics
  and ouabain
    in electrogenic pump studies, 140
Adriamycin
  antiviral action, 273
Aflatoxin $B_1$
  and epoxide hydrase studies, 526
Aging
  cutaneous
    and PUVA effects, 246, 251
Alclofenac
  absorption of
    and food effects, 186–87
Alcohol
  and opiate/ion studies, 561
Alcoholic hepatitis
  and hepatic blood flow, 403–4

Alcoholism
TIQ and β-carboline effects, 55–73
Alcohol preference
and TIQ and β-carboline actions, 69–72
Alkene oxides
and epoxide hydrase studies, 515, 518, 527
Allopurinol
in renal failure, 48
Allosteric model
and toxin action, 30–32, 37
Alopecia areata
PUVA treatment of, 238, 243
Alprenolol
and adrenergic receptors, 585–86
Alzheimer's disease
compared with Huntington's, 536, 538
Amantadine (1-adamantanamine HCl)
antiviral mechanisms of, 263–64
Amine-aldehyde products
see Tetrahydroisoquinolines; Tryptolines
Amino acids
as chromophores, 239
Aminoazo dyes
and epoxide hydrase studies, 526
γ-Aminobutyrate
and neurotoxin effects, 325
γ-Aminobutyric acid
see GABA
Aminopeptidase
and enkephalin activity, 97, 100
4-Aminopyridine
and neurotoxin mechanisms, 318
Aminopyrine
elimination of, 397
p-Aminosalicylate
renal aspects of, 47
Ammidin
and PUVA effects, 240
Ammoidin
and PUVA effects, 240
Amobarbital
and hepatic disease, 405–6, 408
in renal failure, 49
Amphetamine
abuse of, 626
trideuterated metabolism of, 615
Amphotericin B
and receptor mechanisms, 208, 216
Ampicillin
absorption of
food effects on, 188–89
and hepatic disease, 405–6
renal aspects of, 46
Analgesia
narcotic
metal ion effects on, 554–58, 672
textbook treatment of, 628
Analgesic effects
of cannabinoids, 164–66
of enkephalin analogues, 99–102
and serotonin neurons, 120
Analgetics
and narcotic antagonists, 626
Analysis
of experimental observations, 441–62
Androsterone sulfate
and opiate/ion studies, 556
Angel dust
see Phencyclidine abuse
Angelicin
and PUVA effects on DNA, 240
Angina
as hydralazine side effect, 489
Angiotensin
and electrogenic pump, 140
Angiotensin converting enzyme
in Huntington's disease, 544, 548
inhibitor
hemodynamic effects of, 496–99, 506
Anorectic effects
and serotonin neurons, 119–20
Anorexia
as cyclazocine side effect, 464
as hydralazine side effect, 489
Anthracene
in psoriasis treatment, 250
Anthralin
in psoriasis treatment, 250
Antianxiety
cannabinoid effects, 162–63
Antiarrhythmic activity
of procainamide, 48
Antiarrhythmic drugs
pharmacokinetic studies, 397–98, 400
Antiasthmatic
cannabinoids as, 154–56, 166
Antibiotics
absorption of
food effects on, 177, 179–82, 186–87
polyene
and receptor mechanisms, 208, 216
Antibodies
and acetylcholine receptors
in myasthenia gravis, 340–41, 343–44
and epoxide hydrase studies, 519–20
Anticholinergic agents
in glaucoma treatment, 160
Anticholinesterase medications
in MG therapy, 348–49, 351–53
Anticonvulsant
cannabinoids as, 156–58
Antidepresent
cannabinoid effects, 162–64
Antidepressant drugs
and serotonin neurons, 119–20
Antidiarrhea agent
SC-27166
kinetics of, 613
Antidiarrheal effects
of enkephalin analogues, 105
Antidiuresis
and opiate/ion studies, 563
Antiemetic
cannabinoids as, 158–60
Antiglomerular basement membrane (GBM)
in Goodpasture's syndrome, 351
Antihypertensive
trimazosin, 494–96
Anti-inflammatory drugs
and absorption/food studies, 187
cannabinoids as, 166
Antinociception
and calcium ions, 559
by cannabinoids, 165
and physical dependency of enkephalin analogues, 102
Antipsychotic drugs
and receptor mechanisms, 224
Antipyrine
absorption of
food effects, 179, 184–85
and hepatic disease, 405–6
renal aspects of, 46–47
Antitumor
cannabinoid effects, 166
Antiviral mechanisms, 259–76
see Virus
Antiviral therapy
in ocular pharmacology, 422–23

Apomorphine
and cannabinoid use, 159
and TIQ and β-carboline actions, 67–69
Aporphines
and TIQ and β-carboline actions, 65, 67
Appetite stimulation
cannabinoid effects, 160
Aprindine
elimination of
in cardiac disease, 397
Ara-A (9-β-D-arabinofurano syladenine, Vidarabine®)
and antiviral actions, 260–61, 265–67
in herpesvirus treatment, 422–23, 429
Ara-AMP
and antiviral mechanisms, 272
Arabinosyl cytosine (Ara-C)
antiviral mechanisms of, 265
Arachidonic acid
and PUVA effects, 242
Ara-T (1-β-D-arabinosylthymine, thymidine arabinoside)
and antiviral mechanisms, 269, 423, 425
Arene oxides
and epoxide hydrase formation, 513–27
Arginines
and cAMP kinase, 377
Arrhythmia
and scorpion toxins, 31
Arthritis
and myasthenia gravis, 347
ASCATOPICS
and toxicology information, 291
Asparagine
in epoxide hydrase, 515
Aspirin (ASA)
absorption of
and food effects, 179, 182–83, 186, 188–90, 195–96
history of, 628
Asthma
and adrenergic receptor changes, 600
ATP
see Adenosine triphosphate
Atropine
and botulinum toxin treatment, 314
Atropine sulfate
and opiate/ion studies, 557
Autoimmune response
in myasthenia gravis, 337–55
Azathioprine
in myasthenia gravis therapy, 351–52

B

Barium
and electrogenic pump, 140
and opiate interactions, 556–57
Batrachotoxin
and sodium channels, 23, 25–30, 33, 36
BCNU [1,3-bis-(2-chorethyl)-1-nitrososourea]
and nabilone emesis prevention, 159
Bendroflumethiazide
absorption of, 189–90
Benoxaprofen
bioavailability of, 614
Benzo(a)anthracene
and epoxide hydrase studies, 515–16
Benzodiazepines
in anxiety treatment, 163
7,8-Benzoflavone
and epoxide hydrase studies, 525
Benzomorphan
and receptor mechanisms, 221
Benzo(a)pyrene
and epoxide hydrase studies, 515–16, 518, 521, 526
in mutagenesis and carcinogenesis, 523–35
Benztropine
in Huntington's disease, 546
Benzylisoquinolines
as enzyme inhibitors, 63
Benzylpenicillin
renal aspects of, 50
Bergapten
and PUVA effects on DNA, 240
Bibliographic Retrieval Service (BRS)
and toxicology information, 293
Bilirubin
and drug pharmacokinetics, 397, 401
Binding
and opiate/ion interactions, 565–67
protein
of drugs in uremia, 49–50
and pharmacokinetics, 399, 402, 407–8
Bioavailability of drugs
food effects on, 173–97
absorption delayed, 185–88
absorption increased, 190–94
absorption reduced, 177–85
absorption unaffected, 188–90
clinical significance, 194–95
drug-food interactions, 175–76
formulation effects, 176–77
gastric motility, 174–75
gastric secretion, 175
introduction, 173
splanchnic blood flow, 174, 196
in pharmacokinetic studies, 613–14
Biogenic amines
see Tetrahydroisoquinolines; Tryptolines
Black widow spider venom
effects and mechanisms of, 307–13
and botulinum toxin, 316–18
characterization of toxins, 307–8
mechanism of action, 309–13
neuromuscular transmission effects, 308–9
Blood flow
and drug elimination
in cardiac and hepatic disease, 394–97, 402–6
Blood pressure
cannabinoid effects on, 166–67
control of
and serotonin function, 120–21
THP effects on, 64
see also Cardiovascular effects
Botulinum toxin
effects and mechanisms of, 308, 313–18
acetylcholine synthesis, 315
antagonism by calcium ions, 318
compared with tetanus toxin, 321
low amplitude mepps, 315–18
pharmacological effects, 314
production and structure, 313
Bradycardia
as enkephalin effect, 103

Bradykinin
degradation inhibition of and captopril, 498
*p*-Bromo EXP561
and serotonin inhibition, 114–15
Bromophenacyl bromide
and neurotoxin effects, 323
Bronchodilator
cannabinoids as, 154–56
THP effects as, 64
Bronchopneumonia
in Huntington's disease, 538–39
Bufotenin
and serotonin stimulation, 113, 120
Bullous pemphigoid
and PUVA therapy, 247
α-Bungarotoxin
and myasthenia gravis, 338–39, 341–42, 353–54
and receptor binding, 211–13
β-Bungarotoxin
effects and mechanisms of, 308, 314, 321–29
Butyrophenone
in Huntington's disease, 545
1-Butyryl cinnamylpiperizine
kinetics of, 617

C

Calcium
binding of and electrogenic pump, 144
Calcium elenolate
and antiviral mechanisms, 261
Calcium flux
opiate effects on, 563–65, 627
Calcium gluconate
and sotalol absorption, 185
Calcium ions
binding inhibition by TIQs, 68, 73
and opiate interactions, 553–72
and neurotransmitter release, 571
role in drug action, 625
cAMP
see Cyclic AMP
Cancer
and alcoholics, 72
breast
and endocrine therapy, 429–37
chemotherapy
cannabinoid use in, 158–60, 167
pain
cannabinoid use in, 165
patients
depression and cannabinoid treatment, 163–64
and meperidine, 49
CANCERLIT
and toxicology information, 295
Cannabidiol
anticonvulsant properties of, 158
ineffective antitumor agent, 166
Cannabinoids
in glaucoma therapy, 420–21, 425
potential usefulness of, 151–68
analgesic and anti-inflammatory, 164–66
antiasthmatic, 154–56
anticonvulsant, 156–58
antiemetic, 158–60
antihypertensive, 166–67
antitumor, 166
appetite stimulant, 160
conclusions, 167–68
glaucoma treatment, 160–62
introduction and history, 151–54
psychopharmacologic effects, 162–64
structures of, 153
Cannabinol
anticonvulsant properties of, 158
Canrenone
elimination of
in cardiac disease, 397
Captopril
in chronic heart failure, 481, 496–99, 503, 506
Carbachol
and adrenergic receptor studies, 596
N-demethylated (DMC)
in glaucoma therapy, 420, 425
and electrogenic pump, 140
Carbenicillin
renal aspects of, 46
Carbodiimides
and toxin binding, 22–23
β-Carbolines
see Tryptolines
Carboxypeptidase
and enkephalin activity, 97
Carboxysalsolinol
and TIQ formation, 57, 66, 68, 71
Carcinogenesis
and microsomal epoxide hydrase role, 513–27
and proflavine, 262
as PUVA reaction, 244–46, 251
Carcinogenic agents
harman and norharman, 72
Carcinogenicity
and information services, 292
Cardiac
chronic heart failure
vasodilator therapy in, 475–507
Cardiac disease
drug pharmacokinetics in, 389–401
cardiac blood flow, 394–97
drug absorption, 399–401
introduction, 389–90
metabolic capacity, 397–99
organ elimination models, 390–93
protein binding, 399
summary, 408–9
Cardiac lesions
in myasthenia gravis, 347
Cardiovascular effects
of batrachotoxin, 26
of enkephalin analogues, 103–4
of tetanus toxin, 318
of tetrodotoxin, 18
of veratridine, 25
Cardiovascular function
and serotonin neurons, 120–22
β-Casein
and cAMP phosphorylation, 377
Catalepsy
and serotonin function, 121
Cataractogenesis
and PUVA therapy, 247
Catecholamine
-aldehyde interactions, 55–73
and electrogenic pump, 146
kinetic studies of, 617
Catecholamines
and adrenergic receptor studies, 582, 592, 594–95, 597–98
in chronic heart failure, 476
and ion/opiate studies, 555
and serotinin inhibition, 113–15, 119
Catechol-O-methyl transferase (COMT)
and TIQ action, 58, 61–63
CATLINE
and toxicology information, 291

Cefaclor
absorption of
and food effects, 186–87
Cell membranes
psoralem photochemotherapy effects on, 241
Central nervous system
see CNS
Centruroides
see Scorpion toxins
Cephalexin
absorption of
and food effects, 177, 179, 185–87, 196
renal aspects of, 46
Cephalosporins
and drug-food interaction, 195
Cephalothin
renal aspects of, 46–47
Cerebroside sulfatase
and receptor mechanisms, 222
Cerebroside sulfate (CS)
and opiate receptors, 220–25, 567, 627
Cerium ions
and opiate interactions, 555
β-Ceruleotoxin
and neurotoxin effects, 324
Chemical Abstracts Service
and toxicology information, 291, 296–97
Chemotherapy
in breast cancer, 434
cannabinoid use during, 158–60, 167
see also Psoralen photochemotherapy
Chloralhydrate
hypnotic activity of, 164
Chloramphenicol
renal aspects of, 47
Chlordiazepoxide
and hepatic disease, 405–6
Chlorimipramine
and receptor mechanisms, 224
p-Chloroamphetamine
and serotonin inhibition, 115, 118
Chlorophenoxyisobutyric acid
in renal failure, 48
p-Chlorophenylalanine
and serotonin inhibition, 118–19, 121
Chlorophyll
as chromophore, 239
Chloroquine
antiviral mechanisms of, 263–64
Chlorpromazine
and opiate/ion studies, 564
and receptor mechanisms, 224
Chlorpropamide effect
in renal failure, 49
Cholera toxin
and ganglioside receptor, 204–5, 214–15, 225
Cholesterol
and receptor mechanisms, 209, 216, 219
Cholesterol ester hydrolase
phosphorylation of, 372
Choline
in Huntington's disease management, 546
and ion/opiate studies, 564
and neurotoxin effects, 309, 325
Choline acetyltransferase
and botulinum toxin effects, 315
in Huntington's disease, 540, 543, 547–48
Cholinergic mechanisms
in Huntington's disease, 546
Cholinergic receptor action
and lipids, 211–14
Cholinergic transmission
neurotoxin effects on, 314, 316, 325, 328
Cholinomimetics
and electrogenic pump, 140
Chorea
see Huntington's disease
Chromatography
various types
in TIQ analysis, 57–61
Chromosomal aberration
and PUVA effects, 246, 251
Cimetidine
absorption of
food effects on, 186, 188
Cinanserin
as serotonin receptor antagonist, 116–17
Cirrhosis
effects on pharmacokinetics, 403–4
Citalopram
and serotonin inhibition, 114
Clindamycin phosphate
renal aspects of, 47
Clinical pharmacology
textbook review, 627
Clofibrate
in renal failure, 48, 50
Clonidine
and adrenergic receptors, 582, 584
CMP-sialic acid
and receptor mechanisms, 204
CNS
enkephalin analogue activity in, 82–106
snake venom toxin effects on, 324–25
Coal tars
in psoriasis treatment, 250
Cocaine
quantitative analysis of, 612
and TIQ blockage, 65
Coformycin
and antiviral mechanisms, 267
Cognitive function
impaired in uremic patients, 49
Colchicine
and neurotoxin mechanisms, 313
Colistin
renal aspects of, 46
Columbia SK virus
and antiviral mechanisms, 263
Concanavalin A (Con A)
and neurotoxin mechanisms, 312
Congo red
renal aspects of, 50
Conjugation
of drugs in renal failure, 46–47
Copper ions
and opiate interactions, 554, 557, 566
Corals
Toxins from, 35–36
Cordycepin (3'-deoxyadenosine, 3'-dA)
and antiviral mechanisms, 267
Coronary artery disease
and adrenergic receptor changes, 601
Corticosteroids
in herpesvirus treatment, 423
in myasthenia gravis therapy, 350–51, 355
and PUVA therapy, 250–51
Corticosterone
and serotonin function, 120
Corticotropin
in myasthenia gravis therapy, 350
Cortisol
renal aspects of, 47
Cortisone
and adrenergic receptor studies, 582, 600
CP-44001
analgesic effects of, 165
potential uses of, 153

Crohn's disease
and metronidazole absorption studies, 187
Crotapotin
and crotoxin effects, 324
Crotoxin
effects and mechanisms of, 308, 321, 324
CTP
and antiviral mechanisms, 266, 268, 273
Current Research Information System (CRIS)
retrieval system, 299
Cushing's disease
use of cyproheptadine in, 120
Cutaneous disorders
use of psoralen photochemotherapy in, see Psoralen photochemotherapy
5-Cyanodeoxyuridine
and antiviral mechanisms, 273
Cyclazocine and opioid dependence, 463–72
l-Cyclazocine
and calcium ions, 560
cAMP (Cyclic adenosine monophosphate, cAMP)
and adrenergic receptor studies, 592–93, 595, 597–98, 600
compared with cGMP, 625
-dependent protein kinases, 363–79
inhibition of
and enkephalin analogues, 98
and opiate/ion interactions, 556, 570
and receptor mechanisms, 205
Cyclic AMP phosphodiesterase
TIQ inhibition of, 63
Cyclic GMP (guanosine 3':5'-monophosphate, cGMP)
-dependent protein kinases, 363–79
and opiate/ion studies, 556, 570
Cyclic nucleotides
and neurotransmitters, 625
and opiate receptors, 627
Cyclobutane pyrimidine dimers
and PUVA effects, 241, 244
Cyclobutyl
and PUVA effects on DNA, 239
Cyclohexanediaminetetra-acetic acid
and opiate/ion interactions, 554
Cyclohexene oxide
and epoxide hydrase studies, 518–19, 525
Cycloheximide
and adrenergic receptors, 597
Cyclophosphamide
and myasthenia gravis therapy, 352
quantitative analysis of, 611, 615
Cycloserine
renal aspects of, 46
Cyproheptadine
as serotonin receptor antagonist, 116–17, 120–21
l-Cysteic acid decarboxylase
discovery of, 13
Cytochalasin B
in glaucoma therapy, 421–22, 425
Cytochrome *c* oxidase
and copper ions, 554
Cytochrome P450
and microsomal epoxide hydrase, 513, 517, 523, 525
and PUVA therapy, 249
Cytomegalovirus
and myasthenia gravis, 347
Cytosine arabinoside
quantitative analysis of, 612
Cytotoxic chemotherapy
in breast cancer, 434–35
Cytotoxic drugs
in myasthenia gravis therapy, 351, 353, 355
Cytotoxicity
role of metabolism in
and epoxide hydrase, 514
Cytoxan
in breast cancer therapy, 434

## D

Dapsone
renal aspects of, 50
Daunomycin
antiviral actions of, 273
Deanol (dimethylaminoethanol)
in Huntington's disease, 546
3-Deazauridine
diphosphate-2'-deoxy-d-glucose
and antiviral mechanisms, 275
Dementia
in Huntington's disease, 535–36
Dengue virus
and antiviral mechanisms, 263
Deoxyadenosine
and antiviral mechanisms, 267
Deoxycytidine
and antiviral mechanisms, 268
2-Deoxy-2,3-dehydro-N-trifluoroacetyl neuraminic acid
and antiviral mechanisms, 270
Deoxyglucose
and neurotoxin effects, 325
Deoxynucleoside triphosphate
and antiviral mechanisms, 272
Deoxynucleotidyl transferase
and antiviral mechanisms, 260
Deoxypyrimidine nucleoside kinase
and antiviral mechanisms, 268, 270, 272
Dependency
effects of enkephalin analogues, 102
Depression
cannabinoid treatment of, 162–64
role of serotonin in, 119–20
Dermatitis
atopic
PUVA effects on, 243
Desipramine
and ouabain effects, 144
Desmethylimipramine (DMI)
renal aspects of, 50
and TIQ blockage, 65–66
Dexamethasone
in myasthenia gravis therapy, 350
Dextrorphan
and opiate/ion studies, 560, 563
Diabetes
in glaucoma treatment, 160
Diarrhea
and EDTA administration, 180
Diazepam
absorption of, 191, 194
and anxiety relief, 163
and hepatic disease, 405–6, 408
renal aspects of, 50
Diazobenzene sulfonate
and epoxide hydrase activity, 514
Diazoxide
renal aspects of, 50
Dibenamine
and receptor mechanisms, 205

Dibenzo(a,h)anthracene
and epoxide hydrase studies, 515, 518, 526
Dicloxacillin
renal aspects of, 50
Dicoumarol
absorption of, 191, 194
Dicyclohexylcarbodiimide
and adrenergic receptor blocking, 595
Diet
and drug absorption, 177–94
and lipid/receptor interaction, 216
Diethyldithiocarbamate (DDC)
and opiate/ion studies, 557
Diethylstilbestrol
and estrogen receptors, 432
Diftalone
absorption of, 191–93
Digitalis glycoside deslanoside
and cannabinoid antiemetic effects, 159
Digitoxigenin
and electrogenic pump, 139
Digitoxin
and receptor mechanisms, 217
renal aspects of, 46–47, 49
α-β-Diglyceride
and receptor mechanisms, 207
Digoxin
absorption of, 400
and food effects, 186–87, 195
accumulation in renal failure, 49
Dihexanoyllecithin ($DiC_6$)
and neurotoxin effects, 326–27
Dihydroalprenolol (DHA)
and adrenergic receptors, 581, 584–87, 594, 597–98
and receptor mechanisms, 207–8, 211
Dihydrodiols
and epoxide hydrase conversion, 513, 520–21, 523
Dihydroergocryptine (DHE)
and adrenergic receptors, 582–84, 587, 590, 596, 598–99
3,4-Dihydro-1-isoquinolineacetamide HCl
antiviral mechanisms of, 263
Dihydroisoquinolines
and antiviral mechanisms, 262–63
Dihydromorphine
and opiate/ion studies, 564, 566
and opiate receptor binding, 222
3,4-Dihydroxyphenylacetaldehyde
and TIQ formation, 56, 58
6,7-Dihydroxytetrahydroisoquinoline
structure and formation of, 57 , 61–63, 65–66
5,7-Dihydroxytryptamine
and serotonin neurons, 118, 121
Dilauroyl phosphatidylcholine
and epoxide hydrase studies, 516–17
Dimethylaminoethanol
in Huntington's disease, 546
N,N-Dimethyl-5-methoxytryptamine
as serotonin neuron stimulation, 113, 120
Dinoflagellates
toxins of, 35
see also Saxitoxin
Dioctadecylindocarbocyanine (DiI)
and receptor mechanisms, 213–14
Dioleoyl lecithin
and receptor mechanisms, 216
Dipalmitoyl lecithin (DPL)
and receptor mechanisms, 216
Dipalmitoyl phosphatidic acid (PA)
and receptor binding, 213, 224
1,6-Diphenyl-1,3,5-hexatriene (DPH)
and receptor mechanisms, 209
Di-Phosphoinositol (DPI)
and receptor mechanisms, 224
Dipivalyl epinephrine (DPE)
in glaucoma therapy, 420, 425
Dismyristoyl lecithin (DML)
and receptor mechanisms, 216
Disposition of drugs
in cardiac and hepatic disease, 389–409
Distamycin
antiviral action, 273
Dithiothreitol
and tetanus toxin treatment, 319
DMHP
therapeutic uses of, 152
in hypertension, 166
DNA
psoralen photochemotherapy effects on, 239–41, 247
DNA polymerases
and antiviral mechanisms, 260, 264–67, 272, 274
DNA synthesis
and antiviral mechanisms, 272–74
DOCA hypertensive rats
and electrogenic pump studies, 145
and serotonin function, 121
DOPA
and TIQ central effects, 68
L-Dopa (Levodopa)
and drug-food interactions, 195
in Huntington's disease, 534
In Parkinson's disease
and serotonin function, 122
and TIQs, 55–56, 58–59, 63
Dopamine (DA)
antagonists
and serotonin neurons, 117
in Huntington's disease, 538, 540–46, 548
inhibition of enkephalin effects, 105
kinetic studies, 617–18
and opiate/ion interactions, 557, 568
and opiate receptors, 627
oxidation of, 12
and receptor mechanisms, 224
and TIQ formation, 56–59, 61, 63, 66–68
OH-Dopamine
and adrenergic receptors, 583
Dopamine cyclase
inhibitors, 67
Dopamine β-hydroxylase
and copper ions, 554, 557
Down's syndrome
use of 5-hydroxytryptophan in, 121
Doxycycline
and absorption studies, 187, 195–97
Drobuline
kinetics of, 615
Drug absorption
see Absorption of drugs
Drug abuse
monographs on, 625–26
see Opioid dependence treatment

Dry eyes therapy, 424–25
Dysphoria
  as cannabinoid effect, 163
  as cyclazocine side effect, 464, 469

E

EAMG (experimental autoimmune myasthenia gravis)
  and biology of myasthenia gravis, 337, 340–43, 354
Echo virus
  antiviral mechanisms, 263
Eczema
  PUVA treatment of, 238
EDTA
  see Ethylenediaminetetraacetic acid
EGTA
  see Ethyleneglycoltetra-acetic acid
Electrogenic pump
  in smooth muscle, 129–47
    detecting electrogenic activity, 131–32
    and hypertension, 144–45
    $Na^+$-loading experiments, 132–33
    postjunctional supersensitivity, 141–44
    and release of neurotransmitters, 137–39
    response to drugs, 139–41
    resting membrane potential, 133–36
    slow waves in intestinal muscle, 137
    tension development, 136
Elimination of drugs
  in cardiac and hepatic disease, 390–93
Encephalitis
  and antiviral mechanisms
    Japanese, 275
    western equine, 267
Encephalomyocarditis
  and antiviral mechanisms, 263, 271
Endocrine therapy
  in breast cancer, 429–37
Endogenous compounds
  plasma kinetics of, 618
Endogenous opiate peptides
  and calcium ions, 555
  and opiate receptors, 627
Endopeptidase
  and enkephalin activity, 97
β-Endorphin
  effects of, 103, 105
  and opiate/ion studies, 556, 558, 560, 562
  and opiate receptor mechanisms, 222
Endorphins
  and enkephalin analogue relationships, 81–106
  and narcotic antagonists, 467
Enkephalin analogues
  and serotonin function, 120
  structure-activity relationships of, 81–106
  analgesia effects, 99–102
  antidiarrheal effects, 105
  cardiovascular effects, 103–4
  molar potencies of, 101
  opiate receptor binding, 83–98
  other in vitro effects, 98–99
  other in vivo effects, 105–6
  physical dependence, 102
  release of prolactin and growth hormone, 104–5
  respiratory depression, 102
Enkephalins
  and opiate receptor mechanisms, 222
  textbook treatment of, 628
ENVIROLINE
  and toxicology information, 295
Enzyme
  inactivation of
    by psoralen photochemotherapy, 239
  interactions with TIQs and β-carbolines, 61–63
Enzyme systems
  opiate effects on, 568–71
    adenylate cyclase, 569–70
    ATPase, 568–69
    protein kinase, 570
    tyrosine hydroxylase, 570
Epilepsy
  and anticonvulsant cannabinoids, 156–58
EPILEPSYLINE
  and toxicology information, 295
Epinephrine
  and adrenergic receptors, 582, 584, 590, 596
  in glaucoma therapy, 419–20, 425
  release of
    and ouabain, 139
    and TIQ formation, 56–57, 64
L-Epinephrine
  and receptor mechanisms, 209
Epinine
  and TIQ formation, 56
Epoxide hydrase
  microsomal, 513–27
    human liver epoxide hydrase, 520
    mechanism of action, 520–23
    molecular properties, 514–17
    multiple forms of, 517–20
    role in mutagenesis and carcinogenesis, 523–26
    as preneoplastic antigen, 526–27
    in vitro activation and inhibition, 525–26
Ericaceae
  toxins of
    see Grayanotoxin
Erodible module
  in glaucoma therapy, 417
Erythema
  cutaneous
    and PUVA effects, 241–42, 247
Erythematosis
  discoid lupus
    and PUVA therapy, 247
Erythromycin
  absorption of
    and food effects, 179–82, 187–90, 193, 195
Esproquin
  as α-blocker, 65
Estradiol 17-β
  and breast cancer therapy, 429–30, 432
Estrogen
  accumulation in tissues
    and breast cancer therapy, 429
  receptor protein
    and breast cancer, 430–37
Estrophilin
  and breast cancer therapy, 435–36
Ethambutol
  renal aspects of, 46
Ethanol
  and TIQ and β-carboline actions, 58, 68–71, 73
Ethanolamine
  and calcium ion studies, 564
Ethionine
  and epoxide hydrase studies, 526

Ethoxyformic anhydride (EOFA)
and neurotoxin activity, 326–27
3-Ethoxy-2-oxobutyraldehyde hydrate (kethoxal)
and antiviral mechanisms, 262
5-Ethyldeoxyuridine
and antiviral mechanisms, 273
Ethylenediaminetetraacetic acid (EDTA)
and drug absorption studies, 180
and ion/opiate interactions, 554–56, 562, 565–66, 572
and receptor mechanisms, 223
Ethyleneglycoltetraacetic acid (EGTA)
and ion/opiate interactions, 555–56, 558, 562–63, 566, 572
and neurotoxin mechanisms, 317
Ethylmaleimide
and opiate/ion studies, 567
Etorphine
and opiate/ion studies, 566
and serotonin function, 120
Euphoria
as marijuana side effect, 155, 158
EURONET
international information retrieval, 301
Exercise hemodynamics
vasodilator therapy effects, 500–3
Exocytosis
as neurotoxin effect, 317

F

Fenfluramine
antihypertensive effect, 121
and serotonin inhibition, 115, 118, 120
Fentanyl
and receptor mechanisms, 221
Ferrous sulfate
and sotalol absorption, 185
Fertility
in Huntington's disease, 544
Fetulin
and receptor binding, 204
Filamin
and cAMP and cGMP kinases, 375
Filipin
and receptor mechanisms, 208, 216
Flavone
and epoxide hydrase studies, 525
Fluid mosaic model
and membrane lipids, 202–3
Fluorescein
renal aspects of, 50
Fluoride ions
and adrenergic receptors, 585, 593
5-Fluorodeoxyuridine
and antiviral mechanisms, 272
5-Fluorouracil
and breast cancer therapy, 434
Fluoxetine
and serotonin inhibition, 114–15
anorectic effect, 120
antihypertensive effect, 121
5-Flurocytosine
renal aspects of, 46
Fluvoxamine
and serotonin inhibition, 114
as antidepressant, 119
Focal lysis
and biology of myasthenia gravis, 341–42, 355
Folliculitis
and PUVA effects, 248
Food-drug interactions
see Bioavailability of drugs
Formaldehyde
and β-carboline formation, 60
and TIQ formation, 56
Fowl plague virus
and antiviral mechanisms, 274–75
Fractional replicates
and experimental analysis techniques, 442–50
Frank-Starling principle
in heart failure therapy, 476, 480
Frog toxins
see Batrachotoxin
Fructose-1,6-biphosphatase phosphorylation, 371, 374
Furocoumarins
and sporalen photochemotherapy, 235, 239
Furosemide
and drug pharmacokinetics, 398, 400

G

GABA (γ-Aminobutyric acid)
in Huntington's disease, 538–42, 545–46, 548
neurotoxin effects on, 308, 318, 325, 328
and opiate receptors, 627
and receptor mechanisms, 225
and tryptoline inhibitors, 67
GABA-transaminase (GABA-T)
in Huntington's disease, 546
Galactose
and hepatic blood flow, 403
Ganglioside
as cholera toxin receptor, 204–5, 214–16, 223–25
and tetanus toxin receptor, 319–20
Gardner lymphosarcoma
and antiviral mechanisms, 265
Gas chromatography
and mass spectrometry in pharmacokinetic studies, 609–18
Genetics
in Huntington's disease, 533–34
Gentamicin
renal aspects of, 46
Glaucoma
cannabinoid treatment of, 160–62, 166–67
and nitrates as vasodilators, 484
Gliotoxin
and antiviral mechanisms, 267
Glucagon
and adenylate cyclase, 585
and receptor mechanisms, 210, 217–18
renal aspects of, 47
Glucocorticoids
and adrenergic receptor studies, 600
Glucosamine
and neurotoxin effects, 309–10
and receptor mechanisms, 215
D-Glucosamine
and antiviral mechanisms, 274–75
Glucose
kinetic studies of, 617
Glutamic acid decarboxylase (GAD)

in Huntington's disease, 539–40, 544, 548
Glutamic oxalacetic transaminase
and drug pharmacokinetics, 397, 401
Glutamine
in epoxide hydrase, 515
Gluthathione reductase
and nitroglycerin metabolism, 481
Glycine
and enkephalin analogue relationships, 88–91
isotope studies of, 616
release blockage
and neurotoxin effects, 318
Glycogen phosphorylase
and cAMP kinase, 372
Glycogen synthase
phosphorylation of, 370, 377
Glycolipids
role in membrane mechanism of drug abuse, 626
Glycosides
cardiac
as electrogenic pump inhibitors, 130, 139–40, 146
Glyproteins
biosynthesis inhibition
and antiviral mechanisms, 274–76
and neurotoxin mechanisms, 312
and receptor mechanisms, 202–4, 216
GMP
and antiviral mechanisms, 271, 273
Goldman equation
and membrane potential
and electrogenic pump, 130–32, 134–35, 137
Gonadotrophic releasing hormone
disturbance in Huntington's disease, 537, 542, 544
Goodpasture's syndrome
and plasmapheresis, 351
Granuloma annulare
and PUVA therapy, 247
Grayanotoxin
and sodium channels, 25, 28–30, 32, 36
Griseofulvin
and drug-food interaction, 195–96
Growth hormone
release of
as enkephalin effect, 104
and serotonin function, 120
GTP
acyclo
and antiviral mechanisms, 265
and adrenergic receptors, 585, 587
and antiviral mechanisms, 266, 270–71, 273
Guanidine
and antiviral mechanisms, 276
heterocyclic
toxic effects of, 15, 18–19, 21, 23
Guanine
and antiviral mechanisms, 262, 266
Guanine nucleotides
and adrenergic receptor studies, 585–91
Guanosine
acyclo
and antiviral mechanisms, 265–66, 268
and antiviral mechanisms, 261
Guanosine diphosphate
and antiviral mechanisms, 274
Guanosine nucleotides
and antiviral mechanisms, 271
Guanylate cyclase
and calcium regulation, 553
and cGMP kinase, 376
Guanylyl
and receptor mechanisms, 208, 218
Guanylyltransferase
mRNA
and antiviral mechanisms, 270
Gymnodontes
puffer fish toxin
see Tetrodotoxin

H

Haldol (Haloperidol)
in Huntington's disease, 545
Hallucinations
as cannabinoid side effect, 159
in Huntington's disease, 536
Hallucinogens
harmala alkaloids, 69
and narcotic antagonists, 626
Haloperidol
in Huntington's disease, 545
in TIQ and β-carboline actions, 66, 68
Harmala alkaloids
and β-carboline effects, 69
Harman
as carcinogen, 72
Heart failure
vasodilator therapy in, 475–507
chronic therapy effects, 503
and exercise hemodynamics, 500–3
hemodynamic effects, 481–500
introduction, 475
mechanisms, 475–80
nonparenteral drug classification, 480–81
summary, 506–7
Heart rate
TNP effects on, 64
Hemagglutinin
and antiviral mechanisms, 274
Hematoporphyrin photosensitization
and tumor treatment, 251
Hemicholinum-3
and neurotoxin effects, 317
Heparin
antiviral mechanisms of, 263
Hepatic disease
drug pharmacokinetics in, 401–9
eliminating capacity, 406–7
hepatic blood flow and drug absorption, 402–6
organ elimination models, 390–93
protein binding, 407–8
Hepatitis
and pharmacokinetic effects, 403–4
type A
and antiviral mechanisms, 261
Heroin addiction
LAAM treatment of, 625
and narcotic antagonist treatment, 463–72
Herpes viruses
and antiviral mechanisms, 260–76
ocular therapy for, 422–23
Herpes zoster
and PUVA effects, 248
Hexestrol
and breast cancer therapy, 429
Hexobarbital
and hepatic disease, 405–6
High performance liquid chromatography (HPLC)
and TIQ analysis, 58

Histamine
accumulation
tryptoline inhibition of, 66
axon-flare response
and PUVA therapy effects, 247
and electrogenic pump, 140
liberation of
as hydralazine side effect, 489
metabolite
in Huntington's disease management, 545
and receptor mechanisms, 210, 624
renal aspects of, 47
Histidine
and neurotoxin effects, 326
Histidine imidazole
and epoxide hydrase studies, 522–23
Histones
pohsphorylation of, 368–69, 374, 377, 379
HLA
and myasthenia gravis, 344, 346
Hodgkin's disease
use of marijuana in, 158
Homovanillic acid (HVA)
in Huntington's disease, 542
and THP action, 63
Hormone receptor action
lipid involvement in, 214–19
Human chorionic gonadotropin (hCG)
and receptor mechanisms, 214–17, 225
Human leukocyte interferon
in antiviral therapy, 423, 425
Huntington's disease
chemical pathology of, 533–48
clinical aspects, 534–37
genetics, 534
introduction, 533
management, 545–47
neurochemistry, 538–44
pathology, 537–38
summary, 546–47
Hydralazine
in chronic heart failure, 481, 484–89, 500–6
Hydrochloric acid
gastric secretion of
and drug bioavailability, 175
Hydrochlorothiazide
absorption of, 191, 194, 400
Hydrolyses
of drugs in renal failure, 47
Hydroxyamobarbital
in renal failure, 49
Hydroxybenzylisoproterenol
and adrenergic receptors, 582, 594
2-Hydroxychlorporpamide
and renal failure, 49
6-Hydroxydopamine
and electrogenic pump, 140, 144
and ion/opiate studies, 555
and TIQ uptake, 65
9-nor-9β-Hydroxyhexahydrocannabinol (HHC)
analgesic effects of, 165
5-Hydroxyindoleacetic acid (5-HIAA)
in depressed patients, 119
in Huntington's disease, 544
in THP action, 63, 66–67
5-Hydroxyindole-3-acetic acid
analysis of, 618
Hydroxyproline
and cAMP kinase, 378
11-Hydroxysaxitoxin sulfate
description of, 19
17-Hydroxysteroid binding globulin
and estrogen receptors, 431
5-Hydroxytryptamine (Serotonin, 5-HT)
and electrogenic pump, 140
plasma kinetics of, 618
see Serotonin
5-Hydroxytryptoline
and serotonin inhibition, 66–67
5-Hydroxytryptophan
in Huntington's disease, 547
and myoclonus, 121
5-Hydroxy-L-tryptophan
in serotonin formation, 111–12, 115, 119–21
Hyperalgesia
cannabinoid effects, 165
and opiate/ion studies, 562
Hyperkalemia
and electrogenic pump, 136
Hypertension
cannabinoid treatment of, 166–67
and chronic heart failure therapy, 484, 488–90
and electrogenic pump, 144–45
and serotonin function, 121
Hypertrichosis
and PUVA effects, 248
Hypocomplementemia
and myasthenia gravis, 347
Hypoxanthine (ara-Hx)
and antiviral mechanisms, 260
Hypoxia
in Huntington's disease, 539

I

Idoxuridine (IDU)
in herpesvirus treatment, 422, 425
Imidazole-4-acetic acid
in Huntington's disease management, 545
Imipramine
bioavailability of, 612, 614
and serotonin action, 119
Immune system
PUVA effects on, 243–44
Immunochemical studies
of epoxide hydrase, 519–20
Immunosuppressive drugs
in myasthenia gravis therapy, 351–55
Imperatorin
and PUVA effects on DNA, 240
Indocyanine green
and hepatic blood flow, 403–4
Indolealkylamines
and serotonin function, 120
Indoleamine-aldehyde
interactions, 55–73
Indolic compounds
and serotonin neuron stimulation, 113, 120
Indomethacin
and PUVA effects, 242
Indoprofen
absorption of, 186–87, 189
Influenza viruses
and antiviral mechanisms, 261–63, 266, 270, 274
Ingestive behavior
and serotonin neurons, 119–20
Inhalants
abuse of, 626
Inosine monophosphate (IMP) dehydrogenase
and antiviral mechanisms, 261, 273
Insulin
renal aspects of, 47
Insulin receptor
and lipids, 216–17
Interferon
in antiviral therapy, 423, 425
5-Iodoacetamidomethyldeoxyuridine
and antiviral mechanisms, 272–73
5-Iodo-5-amino-2',5-dideoxyuridine (AIU, IddU)
in antiviral therapy, 268–69, 423, 425
5-Iodo-2',-deoxyuridine triphosphate (IdUTP)

and antiviral mechanisms, 266
Iodohydroxylbenzylpindolol (IHYP)
and adrenergic receptors, 582, 584, 592, 595
Ion pumps
neurotoxin effects on, 328
Ion transport
blockage by toxins, 21–23
Isatin
and antiviral action, 272
8-Isomylenoxypsoralen
and PUVA effects on DNA, 240
Isoniazid
renal aspects of, 47
1-(2-Isopropylphenyl)imidazole
and epoxide hydrase studies, 525
Isoproterenol
and adrenergic receptor studies, 586–87, 593–94, 597
and bronchodilation, 64, 154
elimination of
in cardiac and hepatic disease, 396
and receptor mechanisms, 207–9, 211
Isopsoralen
and PUVA effects on DNA, 239–40
Isosorbide dinitrate
hemodynamic effects of, 482–83

J

Jakob-Creutzfeldt disease
compared with Huntington's, 536, 538

K

Kanamycin
renal aspects of, 46
Keratitis sicca
treatment of, 424–25
Kethoxal
and antiviral mechanisms, 262
Kinases
and antiviral mechanisms, 265, 268–70, 272
cAMP and cGMP dependent, 363–79
autophosphorylation, 373–74
homology theory, 366–67
physical-chemical properties, 365–67
protein regulators, 367
substrate specificity, 368–79
Kynurenine
and serotonin neuron function, 115

L

Laboratory Animal Data Bank (LADB)
retrieval system, 297–98
Lanthanum ions
and opiate interactions, 555–56, 562, 572
α-Latrotoxin
effects and mechanisms of, 308–13, 329
Lecithin
and receptor mechanisms, 202, 206, 216
Leiurus
see Scorpion toxins
Leucine
in epoxide hydrase, 515
Leucine (Leu-enkephalin)
structure-activity relationships, 81–106
Leukemia
and antiviral mechanisms, 265, 276
granulocytic
and PUVA effects, 246
use of marijuana in, 158
Leukoderma
and psoralen photochemotherapy, 235
Levallorphan
and opiate/ion studies, 556, 559
Levorphanol
and opiate/ion studies, 560, 564–66, 569
and opiate receptor binding, 222
Lewis lung adenocarcinoma
cannabinoid inhibition of, 166
Libido
increase in Huntington's disease, 536, 544
Lichen planus
PUVA treatment of, 238
Lidocaine
elimination of
in cardiac and hepatic disease, 394–97, 405–6, 408
quantitative analysis of, 611–12
renal aspects of, 47
Ligand binding
see Receptor mechanisms
Light-sensitive dyes
and antiviral actions, 262
Lincomycin
absorption of
and food effects, 187
Lipase
Hormone-sensitive
phosphorylation of, 370
Lipid biosynthesis
and antiviral mechanisms, 275
Lipids
and neurotoxin effects, 309, 311, 313, 324, 328
role in epoxide hydrase activities, 516–17
role in receptor mechanisms, 201–26
Lipid soluble toxins
and sodium channels, 25–31
action mechanism, 30–31
action sites of, 28–30
Lipofuscin
in Huntington's disease, 537
Lipolytic activity
of TIQs, 64
Lipophilicity
and enkephalin-like peptides, 100
Lithium
in depression, 163
and drug-food interaction, 195–97
ion/opiate interactions, 560, 565
Lithium dicodosalicylate
and receptor mechanisms, 215
Liver damage
and TIQ effects, 64
LM 5008
and serotonin inhibition, 114–15
Lorazepam
and hepatic disease, 405–6
renal aspects of, 47
LSD (Lysergic acid diethylamide)
as serotonin receptor antagonist, 116–17
Lupus erythematosus
and myasthenia gravis, 347
Lupus syndrome
and hydralazine therapy, 489
Leuteinizing hormone (LH)
and receptor mechanisms, 214, 216–17, 225
and serotonin function, 120
LY53857
as serotonin receptor antagonist, 116–17
Lymphocytes
PUVA effects on, 243–44

Lysolecithin
and receptor mechanisms, 225
Lysophosphatide
and receptor mechanisms, 215, 217, 220
Lysophospholipids
and neurotoxin effects, 324
Lysozyme
and cAMP kinase, 372, 377

M

Magnesium adenosine triphosphatease (MgATPase)
and opiate effects, 568
TIQ inhibition of, 63
Magnesium ions
and adrenergic receptors, 588
and opiate interactions, 554, 559–62, 567–69, 572
Majudin
and PUVA effects on DNA, 240
Manganese ions
and opiate interactions, 554, 560, 562, 566–67, 572
Mannose
and antiviral mechanisms, 274
and neurotoxin mechanisms, 312
Marijuana
in glaucoma therapy, 420–21, 425
potential usefulness of, 151–68
see Cannabinoids
Masotcytosis
PUVA treatment of, 238
Measles
and antiviral mechanisms, 261, 274
Mechlorethanine
and nabilone emesis prevention, 159
MEDLINE
and toxicology information, 295
Melanin pigmentation
and PUVA effects, 242–43
Melanoma
and estrogen receptors, 431
malignant
and PUVA effects, 246
Mellaril® (Thioridazine)
in Huntington's disease, 545
Membrane mechanism
of drug abuse, 626
Membrane potential
and electrogenic pump, 129–30, 133–36, 146
Membrane receptor action
lipids in, 223–25
Meperidine
and calcium ions, 554
elimination of
in cardiac and hepatic disease, 394, 405–6, 408
renal aspects of, 47, 49
6-Mercaptopurine
in myasthenia gravis therapy, 351
Metabolism
of drugs in renal failure
effects of, 47
of isomers
kinetic studies, 614–16
Metal ions
and opiate interactions
see Opiates
Metazolone
absorption of, 400
Metergoline
as serotonin receptor antagonist, 116–17, 120–21
Methacholine
in Δ-THC studies, 155
Methadone
in calcium ions, 560, 570
and narcotic antagonist treatment, 463, 466, 468, 471
quantitative analysis of, 612, 616–17
and receptor mechanisms, 221
Methionine
in epoxide hydrase, 515
Methionine-enkephalin (Met-enkephalin)
and opiate/ion studies, 556, 562, 567
structure-activity relationships of, 81–106
Methiothepin
as serotonin receptor antagonist, 116–17
Methisazone
and antiviral mechanisms, 276
Methotrexate
and breast cancer therapy, 434
and PUVA therapy, 251
renal aspects of, 46
Methoxamine
and electrogenic pump, 140
Methoxalen
and PUVA effects on DNA, 240, 247
8-Methoxsalen
absorption of, 191, 193, 195
5-Methoxypsoralen
and PUVA effects on DNA, 240
8-Methoxypsoralen (8-MOP)
and psoralen photochemotherapy, 235–51
6-Methoxysalsolinol
structure of, 57
7-Methoxysalsolinol
structure of, 57
Methoxytryptoline
uptake of, 66
Methylamine
and neurotoxin effects, 309
5-Methylarabinosylcytosine
and antiviral mechanisms, 269
7-Methylbenzo(a)anthracene
and epoxide hydrase studies, 515
3-Methylcholanthrene
and epoxide hydrase activity, 514–15, 517, 526
Methyldopa
renal aspects of, 46–47
$N^5$, $N^{10}$-Methylenetetrahydrofolate reductase
and β-carboline formation, 60
7-Methylguanosine-5'-monophosphate ($m^7$-GMP)
and antiviral mechanisms, 271
α-Methyl-D-mannoside
and neurotoxin mechanisms, 312
Methyl orange
renal aspects of, 50
Methyl red
renal aspects of, 50
O-Methylsalsolinol
and alcohol actions, 59
Methylserotonin
and β-carboline formation, 60
5-Methyletetrahydrofolic acid (5-MTHF)
and β-carboline formation, 60
Methyltransferase
mRNA
and antiviral mechanisms, 270
and receptor mechanisms, 211
1-Methyltrihydroxytetrahydroisoquinoline
structure of, 57
Methysergide
in Huntington's disease, 547
as serotonin receptor antagonist, 116–17

Metoprolol
absorption of, 191, 193
Metronidazole
absorption of
and food effects, 186–87
Metyrapone
and epoxide hydrase studies, 518–19, 525–26
Mianserin
as serotonin receptor antagonist, 116–17
Miliaria crystallina
and PUVA effects, 248
Minoxidil
as vasodilator, 481
MK-212
and serotonin neuron stimulation, 113, 120–21
Monamine
and ion/opiate interactions, 554–55
Monoamine oxidase (MAO)
effects on epinephrine, 11–13
inhibitors (MAOI)
and serotonin neurons, 111, 115, 119
and TIQs and β-carbolines, 58, 60–63
and THP formation, 56, 58
Monographs, 625–27
Monooxygenase
and epoxide hydrase formation, 513
and plasma kinetics, 618
Monosialoganglioside ($G_{M1}$)
and receptor mechanisms, 204
Mood elevation
as enkephalin effect, 105
Morphinan
and receptor mechanisms, 221
Morphine
and alcohol addiction, 67
and enkephalin analogue activity, 98–99, 102–5
an. metal ion interactions, 554–72
and narcotic antagonist treatment, 463
and protein binding, 408
and receptor mechanisms, 221–23
renal aspects of, 50
and serotonin function, 50
textbook treatment of, 630
Moxestrol (R-2858)
and breast cancer, 431
Mucopolysaccharide
and PUVA therapy, 246
Muricidal behavior
in rats
and serotonin neurons, 119
Mutagenesis
in bacterial systems
and PUVA, 239
role of microsomal epoxide hydrase in, 513–27
Myasthenia gravis
biology of, 337–55
acetylcholine receptor (AChR) protein, 338–40
clinical features, 345–47
pathological mechanisms in EAMG, 340, 42
pathological mechanisms in Mg, 342–45
therapy of MG, 348–54
Mycosis fungoides
PUVA treatment of, 238, 243–44
Myelin basic protein
and cGMP kinase, 372, 377
Myocardial failure
vasodilator therapy in, 476–507
Myoclonus
and serotonin function, 121–22
Myopathy
and renal failure, 48
Myosin kinase
and cAMP kinase, 372
Myositis
and myasthenia gravis, 347
Myotoxin
from snake venom, 325, 327

## N

Nabilone
as appetite stimulant, 160
antianxiety effects of, 163
antiemetic effects of, 159–60
as antihypertensive, 166
antinocepetive action of, 165
as glaucoma treatment , 162
quantitative analysis of, 611
therapeutic uses of, 153
Nabitan
in glaucoma treatment, 162
Nafcillin
absorption of
and food effects, 177, 179
Nafoxidine
and estrogen receptors, 432
Nalorphine
and opiate/ion studies, 560, 563–65
Naloxone
and antagonist binding, 67
and cannabinoid analgesia, 165
and enkephalin analogue relationships, 98–99, 103–5
and opiate/ion interactions, 555–68, 570
and opioid dependence, 464, 468
Naltrexone
and opiate/ion studies, 566
and opioid dependence, 463–64, 466–71, 625
Naphthalene
and epoxide hydrase studies, 515, 517–18, 526
Narcotic antagonists
and analgetics and hallucinogens, 626
in opioid dependence treatment, 463–72
Narcotics
see Opiates; Opioid dependence treatment
Nausea
cannabinoid treatment of, 158–60, 167
as PUVA therapy effect, 247
Neomycin
renal aspects of, 46
Neostigmine
and myasthenia gravis, 348
Nernst equation
and electrogenic pump studies, 136
Nerve axons
effects of batrachotoxin on, 26
Nerve damage
and TIQ effects, 64
Neuramidase
and receptor mechanisms, 223
Neuraminidase
viral
and antiviral mechanisms, 270, 274
Neuroleptic drugs
in Huntington's disease management, 545
and serotonin function, 121
Neuromuscular system
tetrodotoxin effects on, 18
veratridine effects on, 25
Neuromuscular transmission
neurotoxin effects, 322–24
Neuropeptides
in Huntington's disease, 544
Neurotoxins
presynaptically acting, 307–29
black widow spider venom, 307–13, 316–18
botulinum toxin, 313–18

snake venom toxins, 321–28
tetanus toxin, 318–21
and serotonin neuron action, 118
and sodium channels, 15–37
experimental approaches, 15–18
inhibiting toxins, 18–24
lipid soluble toxins, 25–31
other toxins, 35–36
polypeptide toxins, 31–37
receptor site properties, 36
Neurotransmitters
neurotoxin effects on, 307–29
and psychoactive drugs, 625
release of
and electrogenic pump, 137–39
opiate effects on, 569, 571
Newcastle disease
and antiviral mechanisms, 267, 274–75
Nicotinic receptor
and lipids, 211–12
Nitoman® (Tetrabenazine)
in Huntington's disease, 545
Nitrates
and chronic heart failure, 479, 502–3, 506
hemodynamic effects, 481–84
5-Nitrodeoxyuridine
and antiviral mechanisms, 273
Nitrofurantoin
absorption of
and food effects, 187, 190–91, 195–97
Nitroglycerin
and chronic heart failure, 479, 506
hemodynamic effects, 481–84
Nitrosamines
and epoxide hydrase studies, 526
Noradrenaline
oxidation of, 12
Norepinephrine (NE)
and adrenergic receptors, 582, 584
and chronic heart failure therapy, 498–99
and electrogenic pump, 138–40, 144–46
elimination of
in cardiac and hepatic disease, 396
and ion/opiate interactions, 553–54, 557
neurotoxin effects of, 308, 325
and opiate receptors, 627
and receptor mechanisms, 206–7, 210
and serotonin inhibition, 113, 117
and TIQ formation, 56–58, 61–64, 66, 69
Norharman
as carcinogen, 72
Normeperidine
renal aspects of, 49
Notechis II-5
effects on muscle, 325
Notexin
effects and mechanisms of, 308, 321–22, 324
Nucleic acids
as chromophores, 239
Nystatin
and receptor mechanisms, 208, 216

O

Occupational Safety and Health Act
and information retrieval, 286
Octene 1,2-oxide
and epoxide hydrase studies, 517–18, 526
Ocular pharmacology, 415–25
antiviral therapy, 422–23
dry-eyes therapy, 424–25
glaucoma therapy, 415–22
pressure-reducing drugs, 417–22
synthetic membrane systems, 415–17
Ocusert®
synthetic membrane, 416
Ohton (dimethylthiambutene)
and calcium ions, 554
Oligomycin
and opiate/enzyme studies, 568
Oligosaccharides
and receptor mechanisms, 202–3
Oncolytic drugs
cannabinoids as, 166
Oncornavirus
and antiviral mechanisms, 267
Opiate receptor binding
and cannabinoid analgesia, 165
of enkephalin analogues, 83–98
glycine position, 88–91
met/leu position, 91–94
multiple changes, 95–96
N-terminal substitution, 84–86
peptide modification, 95
phenylalanine position, 88–92
tyrosine position, 86–87
Opiates
and calcium ions, 626
and endorphins, 626–27
and metal ion interactions, 553–72
body metal ion content, 560–63
calcium binding and calcium fluxes, 563–65
effects on analgesia, 554–58
effects on nonanalgetic actions, 559–60
effects on opiate binding, 565–67
effects on tolerance-dependence, 558–59
neurotransmitter release, 571
specific enzyme systems, 568–71
and receptor mechanisms
role of lipids in, 203, 219–23, 225
Opioid dependence treatment
antagonist assessment, 463–72
implications for research, 467–71
patient selection, 465–66
prevention and treatment, 471–72
theoretical basis, 465
treatment outcome, 466–67
Org 6582
and serotonin inhibition, 114
Organelles
psoralen photochemotherapy effects on, 241
Oripavine
and receptor mechanisms, 221
Ornithine decarboxylase (ODC)
and tumor promotion, 244
Osmotic pumping module
in glaucoma therapy, 417
Osteomyelitis
and drug absorption studies, 185, 187
Ouabain
and calcium ions, 559
and electrogenic pump, 130–31, 134–41, 143–46
Oxazepam
absorption of, 189–90
and hepatic disease, 405–6

Oxsoralen
and PUVA effects on DNA, 240
Oxymorphone
and receptor mechanisms, 221
Oxypurinol
in renal failure, 48
Oxytocin
effects on uterus
and salsolinol blockage, 64

P

Pain
and serotonin neurons, 120
see also Analgesia
Palytoxin
and sodium channels, 35–36
Papain
and tetanus toxin effects, 319
Papaveroline
and enzyme inhibitor, 63
Parachlorophenylalanine
in Huntington's disease, 547
Parafluorophenylalanine (pFPhe)
and antiviral activity, 271
Parainfluenza type 3 virus
and antiviral mechanisms, 274
Parallel tube model
of drug elimination, 392–93
Paralysis
as botulinum toxin effect, 314, 318–20
Parathyroid hormone
and opiate/ion studies, 558
Pargyline
and ion/opiate interactions, 555–56
Parkinson's disease
compared with Huntington's 538
*l*-Dopa therapy in
and TIQs, 55, 59
and serotonin function, 122
Paroxetine
and serotonin inhibition, 114
Pediatric therapy
and food effects on drug availability, 177, 185, 188, 190
Penicillamine
and myasthenia gravis, 344, 347
and opiate/ion interactions, 558
Penicillin
absorption of
and food effects, 177, 179, 195
discovery of, 624–25
Pentazocine
elimination of
in cardiac and hepatic disease, 394
L-Pentazocine
and calcium ions, 560
Pentobarbital
and opiate/ion studies, 561, 564
renal aspects of, 46–47, 50
Peptides
see Enkephalin analogues
Percutaneous absorption of drugs
review of, 625
Pernicious anemia
and myasthenia gravis, 347
Pertussis vaccine
in EAMG in rats, 340
PESTDOC
pesticide literature, 296
Pethidine
and ion effects on analgesia, 554, 556
$PGE_1$
and plasma kinetics, 618
$PGF_{2\alpha}$
and plasma kinetics, 618
Pharmacokinetic studies
in cardiac and hepatic disease, 389–409
stable isotopes in, 609–18
bioavailability, 613–14
endogenous compounds, 618
isotope dilution, 616–18
metabolism of isomers, 614–16
quantitative analysis, 610–12
Phemphigus
and myasthenia gravis, 347
Phenacetin
absorption of
and food effects, 179, 184
quantitative analysis of, 612
renal aspects of, 47
textbook treatments of, 628–30
Phenanthrene
and epoxide hydrase studies, 515
Phenazone
absorption of, 188–89
Phencyclidine abuse (PCP)
monograph on, 625–26
Phenobarbital
and epoxide hydrase activity, 514, 517, 520, 524
renal aspects of, 47, 50
Phenol red
renal aspects of, 50
Phenothiazines
in chemotherapy, 158–59
in Huntington's disease, 545
Phenoxybenzamine
and enkephalin analogue relationships, 98
and receptor mechanisms, 205
as vasodilator, 481, 499, 503
Phentolamine
and adrenergic receptors, 583, 596
and receptor mechanisms, 207, 211
as vasodilator, 481
Phenylalanine
and antiviral mechanisms, 271
and enkephalin analogue relationships, 88–92
DL-Phenylalanine-4-$d_1$
and plasma kinetics, 618
Phenylalanine hydroxylase
and cAMP kinase, 372
Phenylbutazone
and protein binding, 408
renal aspects of, 50
Phenylketonuria
and TIQs, 55
1-Phenyl-2-phenylethyl TIQs
as antifertility agents, 65
4-Phenylpiperidine
and receptor mechanisms, 221
1-Phenyl-3(2-thiozolyl)-2-thiourea (PTT)
and opiate/ion studies, 557
Phenytoin
as anticonvulsant, 156
and protein binding, 408
renal aspects of, 46–47, 49–50
L-α-Phosphatidic acid
and receptor mechanisms, 207
Phosphatidylcholine
and epoxide hydrase studies, 516
and lipids in receptor mechanisms, 206–7, 210–12, 217–18
and neurotoxin effects, 327
Phosphatidylethanolamine
and lipids in receptor mechanisms, 206–7, 210–13, 217–18, 220
and neurotoxin effects, 327
Phosphatidylinositol (PI)
and lipids in receptor mechanisms, 202, 206–7, 210, 212, 217–18, 224
Phosphatidylmonomethylethanolamine (PME)

and receptor mechanisms, 211
Phosphatidylserine (PS)
and lipids in receptor mechanisms, 206, 210, 212, 217–18, 220, 224
and neurotoxin effects, 327
and opiate/ion studies, 564
Phosphodiesterase
and calcium regulation, 553, 570
and prazosin therapy, 489
Phosphofructokinase
and cAMP, 372
Phosphoglyceride
and neurotoxin effects, 328
Phospholipase $A_2$
and PUVA effects, 242
and snake venom toxin effects, 321–28
Phospholipase A, C, and D
and receptor mechanisms, 207–8, 211, 213, 215–20, 224–25
Phospholipids
and adrenergic receptor studies, 597
and calcium/opiate studies, 563
in epoxide hydrase activities, 516
and opiate receptors, 627
and receptor mechanisms, 202–26
see also Receptor mechanisms
Phosphonoacetate (PA)
and antiviral mechanisms, 264
Phosphonoformate (PFA)
and antiviral mechanisms, 264, 266–67
Phosphorylase a
and adrenergic receptor studies, 599
Phosphorylase kinase
phosphorylation of, 369–70, 374, 377–78
Phosphorylated proteins
and neurotransmitters, 625
Phosphorylation
and cAMP and cGMP kinases, 363–79
by protein kinase and calcium ions, 553, 570
of proteins
and adrenergic receptor studies, 592–93
Photoallergy
and PUVA therapy, 247
Photoinactivation
of viruses, 262
Photosclerosis
and PUVA therapy effects, 246
Phyllobates toxins
see Batrachotoxin
Physostigmine
in Huntington's disease, 546
Pigmentation
and psoralen photochemotherapy, 239, 242–43, 247–48
Pilocarpine
in glaucoma therapy, 416–17, 419
Piperazines
as serotonin stimulators, 113, 120
Pirandamine
and serotonin inhibition, 114
Pituitary function
and serotonin, 120
Plasmapheresis
in myasthenia gravis therapy, 351–54, 355
*cis*-Platinum
use of cannabinoids with, 159
Polio virus
inhibition of
and antiviral mechanisms, 267, 270
Polyarginine
and cAMP kinase, 377
Polycyclic aromatic hydrocarbons
and epoxide hydrase formation and function, 513, 523–24
Polydeoxyribonucleotides
and cGMP kinase, 368
Polymerases
DNA and RNA
and antiviral mechanisms, 264–68, 272
Polymorphous light eruption
and PUVA effects, 243
Polyoma virus
and PUVA effects, 245
Polypeptide Toxins
and sodium channels, 31–37
chemical nature of receptor, 35
scorpion toxins, 31–34
sea anemone toxins, 34–36
Polyphosphates
natural nucleoside
antiviral mechanisms of, 264
Porphyrins
as chromophores, 239
Postinflammatory hypopigmentation
and PUVA effects, 248
Postjunctional supersensitivity
and electrogenic pump, 141–44, 146
Postprandial alkaline tide
and drug bioavailability, 175
Postsynaptic effects
and ion/opiate interactions, 553
Postsynaptic α receptors
and radioligand binding studies, 583
Potassium electrogenic pump
see Electrogenic pump
Potassium ions
and opiate interactions, 553, 561, 563, 565–68
Prazosin
and adrenergic receptors, 583
in cardiac therapy, 398
in chronic heart failure, 481, 489–94, 500, 502–4, 506
Prednisolone
and hepatic disease, 405–6
Prednisone
in myasthenia gravis therapy, 350–53
Preneoplastic antigen
epoxide hydrase as, 526–27
Presynaptic α receptors
and radioligand binding, 583
Procainamide
absorption and elimination of, 398, 400
and NAPA
kinetics of, 613
renal aspects of, 46, 48
Procaine
renal aspects of, 47
Prochlorperazine
and emesis prevention, 159
Pro-drugs
in glaucoma treatment, 420
Pro-enkephalin
and enkephalin analogue relationships, 100
Proflavine
and antiviral mechanisms, 262
Progesterone
and adrenergic receptor studies, 582
and cAMP kinase, 375
Progesterone receptors
in breast cancer therapy, 436–37
Progestin
and breast cancer therapy, 436
Prolactin
release of
as enkephalin effect, 104–5
and serotonin function, 120

PROPHET
and information retrieval, 289
Propoxyphene
absorption of
food effects on, 188–90
bioavailability of, 612, 614–16
textbook treatment of, 630
D-Propoxyphene
elimination of
in cardiac and hepatic disease, 394
Propranolol
absorption of, 191, 193
and adrenergic receptors, 582, 600–1
elimination of
in cardiac and hepatic disease, 394–95, 404–6, 408
in glaucoma therapy, 418
kinetics of, 615
renal aspects of, 46–47, 50
and Δ-THC studies, 154
Propylbenzilyl choline
in Huntington's disease, 547
Propylthiouracil
absorption of, 189–90
and adrenergic receptor studies, 298–99
Prostaglandin
and adrenergic receptor studies, 592–93
and aspirin, 629
plasma kinetic studies, 618
and PUVA effects, 242
synthesis
cannabinoid inhibition of, 166
Prostaglandin $E_1$
and receptor mechanisms, 209
Protein binding
see Binding
Protein kinase
and calcium ions, 553, 570
Proteins
psoralen photochemotherapy effects on, 241
Protoberberines
and TIQ and β-carboline actions, 65, 67
Pruritus
as PUVA therapy result, 247
Psoralen photochemotherapy
in cutaneous disorders, 235–51
adverse reactions to PUVA, 244–48
carcinogenesis, 244–46
cataractogenesis, 247
clinical pharmacology, 249
cutaneous aging, 246
future of, 250–51
history and introduction, 235–38
mechanism of action, 239–44
patient selection, 248
responsive disorders, 238
UVA light sources and radiation measuring, 249–50
Psoriasis treatment
and drug absorption studies, 193, 195
psoralen photochemotherapy in, 236–38, 243, 248, 250–51
Psychoactive drugs
and neurotransmitters, 625
Puffer fish toxins
see Tetrodotoxin
Purkinje fibers
toxin effects on, 26–27
Pustulosis
PUVA treatment of, 238
PUVA (Psoralen ultraviolet light type A)
see Psoralen photochemotherapy
Pyrazofurin
and antiviral mechanisms, 269
Pyridostigmine
and myasthenia gravis, 348
Pyridoxal phosphate
and TIQ formation, 56
Pyridoxine deficiency
and hydralazine therapy, 489
Pyrimidine deoxynucleoside kinase
and antiviral mechanisms, 265
Pyrogallol
and enzyme inhibition, 58, 61
Pyrophosphate
antiviral mechanisms, of, 264
Pyruvate kinase
and phosphrylation, 370–71, 374, 377, 379

Q

Quantitative analysis
table of various drugs, 611–12
Quinazoline derivatives
as vasodilators, 489, 494
Quinidine
elimination of
in cardiac disease, 399–400, 408
quantitative analysis of, 611
renal aspects of, 46–47, 50
Quinones
as chromophores, 239
3-Quinuclidinyl benzilate (QNB)
and receptor mechanisms, 213
Quinuclidinyl benzoate
in Huntington's disease, 547
Quipazine
and serotonin neuron stimulation, 113, 120

R

Rabies virus
and antiviral mechanisms, 263
Radioenzymatic assay
in TIQ analysis, 58
Radioligand binding studies
of adrenergic receptors, 581–601
see Adrenergic receptors
Ranvier node
and toxin studies, 20, 28–29
Receptor
steroid
in breast cancer therapy, 429–37
Receptor agonists
of serotonin neurons, 116–17
Receptor interactions
of opiates and endorphins, 626–27
Receptor mechanisms
membrane lipid role, 201–26
adrenergic receptor, 205–11
cholinergic receptor action, 211–14
fluid mosaic model, 202–3
ganglioside as cholera toxin receptor, 204–5
hormone receptor action, 214–19
membrane receptor actions, 223–25
opiate receptor and acidic lipids, 219–23
Receptors
reviews featuring, 624
see Adrenergic receptors
Regitine
in chronic heart failure, 499–500
Renal failure
and drug interactions, 45–51
active drug metabolites, 48–49

biotransformation of drugs, 46–48
excretion of unmetabolized drug, 45–46
protein binding, 49–50
Reoviruses
and antiviral mechanisms, 267, 270–71
Reserpine
and electrogenic pump, 139, 143–44
in Huntington's disease management, 545
and opiate/ion studies, 556, 561
and serotonin release, 115, 118, 121
and TIQ and β-carboline actions, 65–66, 69
Respiratory depression
effects of enkephalin analogues, 102
Respiratory syncytial virus
and antiviral mechanisms, 274
Respiratory system
tetrodotoxin effects on, 18
Retinoids
and PUVA therapy, 251
Reviews
review of, 623–25
Rheumatoid arthritis
and myasthenia gravis, 344, 347
Rhodopsin
and receptor mechanisms, 202
Ribavirin
and antiviral actions, 261, 264, 269–70, 273
Ribavirin-5'-monophosphate (RMP)
and antiviral mechanisms, 261, 269
Ribavirin-5'-triphosphate (RTP)
and antiviral mechanisms, 261, 264, 266, 269–70
Ribonucleotide phosphate reductase
and antiviral mechanisms, 260
Rifampin
absorption of
and food effects, 187
and antiviral mechanisms, 276
Rifamycin
and antiviral mechanisms, 266
RNA
psoralen photochemotherapy effects on, 241
mRNA
translation inhibitors
and antiviral mechanisms, 271
mRNA guanylyltransferase
and antiviral mechanisms, 270
mRNA methyltransferase
and antiviral actions, 270
RNA polymerases
and antiviral mechanisms, 266–68
and cAMP kinase, 372
Rubidium
as potassium substitute, 130, 145
Ryanodine
time-dose dependence analysis, 456–57

S

Safrole
and epoxide hydrase studies, 526
Salbutamol
as bronchodilator, 155
Salicylate
absorption of
and food effects, 176, 182, 195
renal aspects of, 47, 50
textbook treatments of, 628–29
Salsolinol
formation and effects of, 56, 58–59, 61–64, 66–68, 71–72
structure of, 57
Saxitoxin
inhibition of sodium channels, 19–24, 33, 36–37
chemical nature of receptors, 24
mechanism of, 21–23
receptor sites, 19–21
structure-activity relationships, 23–24
SC-27166
kinetics of, 613
Schizophrenia
confused with Huntington's disease, 536, 539, 541
SCISEARCH
and information retrieval, 290
Scopolamine
quantitative analysis of, 612
Scorpion fish venom
declining potency analysis, 456, 458
Scorpion toxins
and sodium channels, 31–36
Sea anemone toxins
and sodium channels, 34–36
Sedative-hypnotic
cannabinoid effects, 164
Seizures
and anticonvulsant cannabinoids, 156–58
Semliki forest virus
and antiviral mechanisms, 267, 274–75
Septic arthritis
and drug absorption studies, 185, 187
Serine
and cAMP kinase, 378–79
Serotonin (5-HT)
behavioral syndrome, 113
in Huntington's disease, 543–44, 547–48
and neurotoxin effects, 325
and opiate/ion studies, 559
and opiate receptors, 627
and receptor mechanisms, 205, 223–24
and TIQ and β-carboline effects, 60, 62, 64, 66–67, 69
Serotonin neurons, 111–22
drug impairment of, 116–18
neurotoxins, 118
receptor antagonists, 116–17
synthesis inhibitors and depleters, 117–18
drug stimulation of, 112–16
direct agonists, 112–13
indirect agents, 113–16
function, 111–12
physiologic roles and pharmacologic modification, 118–22
Sexual activity
and serotonin neurons, 119
Silicone
in synthetic membrane systems, 416
Sinbis virus
and antiviral mechanisms, 274
Sinefungin
and antiviral mechanisms, 270
Skin atrophy
and PUVA effects, 248
Smallpox
and antiviral mechanisms, 271
Smooth muscle
electrogenic pump in, 129–47

Snake venom toxins
effects and mechanisms of, 308, 321–28
cell free model systems, 325–28
CNS effects, 324–25
muscle effects, 325
neuromuscular transmission, 322–24
structure and phospholipase A activity, 321–22
Sodium channels
see Neurotoxins
Sodium dodecylsulfate
and epoxide hydrase studies, 515, 519–20
Sodium electrogenic pump
see Electrogenic pump
Sodium hydroxide
and EDTA administration, 180
Sodium ions
and adrenergic receptor studies, 590
and opiate interactions, 553, 561, 563, 565–68
Sodium loading experiments
and electrogenic pump evidence, 132–33
Sodium pentobarbital
absorption of, 176
Sodium-potassium adenosine triphosphatease (Na,K-ATPase)
and electrogenic pump, 130, 133–35, 141, 143, 146
and lipids in receptor mechanisms, 201
and neurotoxin effects, 326
opiate effects on, 568–69
TIQ inhibition of, 63
Solar elastosis
as PUVA effect, 246
Sotalol
absorption of
and food effects, 179, 185
SP1
analgesic effects of, 165
as glaucoma treatment, 162
SP106 (Nabitan®)
analgesic effects of, 165
glaucoma treatment, 162
potential uses of, 153
Sphingomyelin
and receptor mechanisms, 206, 218
Spiramycin
absorption of, 188–89
Spironolactone
elimination of
in cardiac and hepatic disease, 394, 397
Splanchnic blood flow
and drug absorption, 400
as food effect, 174, 178, 196
see also Blood flow
SPM-1,2,3
and calcium binding, 562
SR-AT (slow-release artificial tear)
in dry eyes therapy, 424–25
Statistical techniques
in experiment analysis, 441–62
Steroid receptors
and breast cancer therapy, 429–37
Steroids
and adrenergic receptor regulation, 591, 600
Stilbene-1,2-oxides
and epoxide hydrase studies, 521
Streptomycin
renal aspects of, 46
Stress
and endorphin effects on blood pressure, 104
Strophanthin
and electrogenic pump, 139
Styrene 7,8-oxide
and epoxide hydrase activity, 516–18, 525–26
Substance P
in Huntington's disease, 544, 548
Sulfinpyrazone
renal aspects of, 46
Sulfisoxazole
renal aspects of, 47
Sulfonamides
renal aspects of, 50
Sulfydryl
and hydralazine, 485
Synhexyl
therapeutic uses of, 152

T

Tachycardia
as cannabinoid side effect, 158
as enkephalin effect, 103
as vasodilator side effect, 482, 485, 489, 500
Tachyphylaxis
in prazosin therapy, 492
and THP, 64
Taipoxin
effects and mechanisms of, 308, 322–24
Taurine
discovery of, 13
Tetanus toxin
effects and mechanisms of, 308, 318–21, 329
comparison with botulinum toxin, 321
production and pharmacological effects, 318
receptor for, 319–20
structure, 319
transport to CNS, 320
Tetrabenazine
in Huntington's disease, 545
and serotonin release, 115
Tetracycline
absorption of
and food effects, 177, 179–80, 194
as chromophore, 239
renal aspects of, 46
Tetrahydroberberines
and THP conversion, 59, 62
$\Delta^9$-Tetrahydrocannabinol ($\Delta^9$-THC)
potential usefulness of, 152–68
see Cannabinoids
quantitative analysis of, 611
11-OH-$\Delta$ 9-Tetrahydrocannabinol
as analgesic, 164
Tetrahydro-$\beta$-carboline
see Tryptolines
1,2,3,4-Tetrahydroharmane
and histamine accumulation, 66
Tetrahydroisoquinolines (TIQs)
as amine-aldehyde products, 55–73
central effects, 67–69
enzyme interactions, 61–63
formation, 56–57
methods of analysis, 57–60
other actions, 72
peripheral organ effects, 64–65
preference for alcohol, 69–72
structures of common TIQs, 57
uptake, storage, and release effects, 65–66
Tetrahydropapaveroline (THP)
structure of, 57
and TIQ formation and effects, 56–59, 61–62, 64–67, 71–72
Tetrahydroprotoberberines
as enzyme inhibitors, 63
1,2,10,11-Tetrahydroxyaporphine
as ATP inhibitor, 63

Tetrahydroxyberberines
and enzyme inhibition, 62–63, 67
Tetramethyloxonium
and toxin resistance, 22
Tetramethylrodamine-α-bungarotoxin (TMR-α-Bgt)
and receptor mechanisms, 213–14
Tetrodotoxin
inhibition of sodium channels, 18–24, 26–29, 33, 35–37
chemical nature of receptor, 24
mechanisms of, 21–23
receptor sites, 19–21
structure-activity relationships, 23–24
Textiletoks, 628–30
THC
potential usefulness of, 152–68
see Cannabinoids
Theophylline
absorption of
and food effects, 179, 184
and botulinum toxin, 314
and hepatic disease, 405–6
Thermoregulation
as enkephalin effect, 105
and serotonin function, 121
Thin layer chromatography (TLC)
in TIQ analysis, 57–58, 60
5-Thiocyanodeoxyuridine
and antiviral mechanisms, 273
Thiopental
renal aspects of, 50
Thioridazine
in Huntington's disease, 545
Thiosemicarbazones
and antiviral mechanisms, 271–72
Threonines
and cAMP kinase, 378–79
Thymectomy
in MG therapy, 348–51, 353, 355
Thymidine
in autoradiography technique, 240
Thymidine arabinoside (Ara-T)
in antiviral therapy, 423, 425
Thymidine kinase
and antiviral mechanisms, 265, 268–69
Thymidylate kinase
and antiviral mechanisms, 265
Thymidylate synthetase
and antiviral mechanisms, 269, 272
Thymoma
and myasthenia gravis, 346–50
Thyroglobulin
and receptor mechanisms, 204
Thyroid hormones
and adrenergic receptor studies, 582, 591, 596–99
Thyroiditis
in myasthenia gravis, 347
Thyrotoxicosis
in myasthenia gravis, 347
Thyrotropin (TSH)
and receptor mechanisms, 214–18, 225
and serotonin function, 120
and tetanus toxin receptor, 320
Thyrotropin releasing hormone (TRH)
and receptor mechanisms, 217
Thyroxine
renal aspects of, 50
Timolol maleate (Timoptic®)
in glaucoma therapy, 417–20, 425
TMP
and antiviral mechanisms, 272–73
Tobacco abuse
monograph concerning, 625
Tobacco necrosis virus
and antiviral mechanisms, 271
Tobramycin
renal aspects of, 46
Tofranil
bioavailability of, 614
Tolbutamide
and hepatic disease, 405–8
quantitative analysis of, 612
renal aspects of, 47
Tolerance-dependence
and opiate/ion interaction, 558–59
Toxicity
and fluid volume effects, 176
in renal failure, 45–51
Toxicology
information retrieval in, 285–302
Toxic Substances Control Act
and information retrieval, 286
Toxins
see Neurotoxins
TOXLINE
and information retrieval, 287–88, 292, 294–96
Trabeculotomy
in ocular pharmacology, 421–22, 425
Transplantation
renal
and protein binding, 50
Tranylcypromine
and serotonin action, 119
Trazodone
and serotonin receptors, 117
Tremors
caused by harmala alkaloids, 69
and meperidine accumulation, 49
Trialkyloxonium salts
and toxin binding, 22
Triamterene
renal aspects of, 50
1,1,1-Trichloropropene 2,3-oxide
and epoxide hydrase studies, 525
5-Trifluoromethyldeoxyuridine
and antiviral mechanisms, 272–73
1-(*m*-Trifluoromethylphenyl)-piperazine
and serotonin neuron stimulation, 113, 120
Trifluorothymidine (dF;T, TFT)
and antiviral mechanisms, 265
in herpesvirus therapy, 422–23, 425
4,6,7-Trihydroxytetrahydroisoquinoline
and enzyme interactions, 61, 71
Trimazosin
in chronic heart failure, 481, 489, 494–96, 503, 506
Trimethodione
and MG induction, 347
Trimethoprim
renal aspects of, 50
4,5,8-Trimethyl psoralen (TMP)
and PUVA effects on DNA, 240
Trimetoquinol (TMQ)
structure and action of, 57, 63–64
Trioxsalen (TMP)
and psoralen photochemotherapy, 235, 238, 240–41
Triphosphoinositol (TPI)
and receptor mechanisms, 212–13, 224

Trisoralen
and PUVA effects on DNA, 240
Troponin
phosphorylation of, 371–72, 374, 377
Trypsin
and glycogen synthase, 370
and tetanus toxin effects, 319
Tryptolines (β-Carbolines)
as amine-aldehyde products, 55–73
alcohol preference, 69–72
central effects, 69
enzyme interactions, 63
formation, 56–57
methods of analysis, 60–61
other actions, 72
peripheral organ effects, 64–65
uptake, storage, and release effects, 66–67
Tryptophan
in epoxide hydrase, 515
renal aspects of, 50
L-Tryptophan
in Huntington's disease, 547
in serotonin formation, 111–12, 115, 119
Tryptophan hydroxylase
and calcium action, 553
and cAMP kinase, 372
in Huntington's disease, 547
and serotonin neurons, 117–18
dTTP
and antiviral mechanisms, 265, 268–69, 273
d-Tubocurarine
renal aspects of, 50
Tumorigenesis
liver
role of microsomal epoxide hydrase, 527
Tumors
psoralen photochemotherapy effects on, 239, 243–46, 251
Tunicamycin
and antiviral action, 275–76
Tyramine oxidase
and MAO, 12
Tyrosinase
and estrogen receptors, 431
and melanin production, 242
Tyrosine
and dopamine kinetics, 618
and enkephalin analogue relationships, 86–87
in epoxide hydrase, 515
Tyrosine hydroxylase
and calcium action, 553, 570
and cAMP kinase, 372
in Huntington's disease, 540–41
TIQ inhibition of, 63

U

UDP galactose
and receptor mechanisms, 204
Up-and-down method
of experimental analysis, 452–59
Uremia
and drug interactions, 45–51
Uridine
and antiviral mechanisms, 275–76
Uterus
TIQ effects on, 64
UTP
and antiviral mechanisms, 266, 269, 273
UVA
see Psoralen photochemotherapy

V

Vaccinia virus
and antiviral mechanisms, 265, 270–71, 273
cis-Vaccinic
and receptor mechanisms, 209
Valproic acid
renal aspects of, 50
Vancomycin
renal aspects of, 46
Variance
analysis of, 441–62
Vasodilator therapy
for chronic heart failure, 475–507
Vasopressin
effects on uterus
and salsolinol blockage, 64
Venom
of scorpions, 31–32
Veratridine
and sodium channels, 25–26, 28–30, 32, 36
Verruca
PUVA treatment of, 251
Vidarabine (ara-A)
in herpesvirus treatment, 422–23, 425
Virus
antiviral mechanisms, 259–76
DNA synthesis inhibitors, 272–74
enzyme inhibitors, 264–70
glycoprotein biosynthesis inhibitors, 274–76
inhibition of attachment and penetration, 263–64
problem of multifaceted mechanisms, 260–61
translational inhibitors, 271–72
virus-inactivating agents, 261–63
Viruses
DNA
inactivation by PUVA, 239
Vitamin E
in Huntington's disease, 547
Vitiligo
PUVA treatment of, 235, 238, 243, 251

W

Warfarin
in cardiac and hepatic disease, 399, 405–6
renal aspects of, 50
WB4101
and adrenergic receptors, 582, 584, 590
Well-Stirred Model
of drug elimination, 392–93
Westphal variant
of Huntington's disease, 535
Withdrawal syndrome
and enkephalin analogues, 102

X

X-537A
and calcium opiate interactions, 555
Xanthine oxidase
inhibition in renal failure, 48
Xanthotoxin
and PUVA effects on DNA, 240
Xylitol
renal aspects of, 47

Y

Yohimbine
and adrenergic receptors, 583

Z

Zimelidine
and serotonin inhibition, 114
as antidepressant, 119

# CUMULATIVE INDEXES

## CONTRIBUTING AUTHORS, VOLUMES 16–20


A

Adriani, J., 17:223–42
Anderson, T. F., 20:235–57
Aranda, J. V., 16:427–45
Atkinson, A. J. Jr., 19:105–27
Azarnoff, D. L., 16:53–66

B

Bach, J.-F., 17:281–91
Back, K. C., 17:83–95
Bailie, M. D., 19:491–509
Baumgarten, H. G., 16:101–11
Beaumont, A., 19:245–67
Bender, A. D., 17:49–65
Benet, L. Z., 20:389–413
Beyer, K. H. Jr., 17:1–10
Bignami, G., 16:329–66
Binder, H. J., 17:355–67
Bird, E. D., 20:533–51
Björklund, A., 16:101–11
Blaschko, H. K. F., 20:1–14
Botero, R. D., 18:1–15
Brater, D. C., 17:293–309
Brown, R. D., 18:233–52
Burks, T. F., 16:15–31

C

Calabresi, P., 16:367–79
Catterall, W. A., 20:15–43
Cavagnol, R. M., 17:479–98
Chapman, D. B., 20:553–79
Chatterjee, K., 20:457–512
Cheney, D. L., 17:369–86
Clineschmidt, B. V., 16:113–23
Cohen, S. N., 17:561–73
Costa, E., 17:369–86; 19:531–45
Cox, B., 17:341–53

D

Daniel, E. E., 18:145–66
Dau, P., 20:337–62
Deitrich, R., 20:55–80
Dettbarn, W.-D., 17:387–409
Diaz, J. L., 17:647–75
DiPalma, J. R., 17:133–48
Dixon, W. J., 20:441–62
Dollery, C. T., 17:311–23
Done, A. K., 17:561–73
Drayer, D. E., 20:45–54
Dungworth, D. L., 16:381–99
Dutton, G. J., 18:17–35

E

Earp, H. S., 18:431–59
Eränkö, O., 18:417–30
Erwin, V., 20:55–80
Ewing, L. L., 18:167–87

F

Fairshter, R. D., 16:465–86
Fauci, A. S., 19:179–201
Feldman, A. M., 18:233–52
Fibiger, H. C., 18:37–56
Fleckenstein, A., 17:149–66
Fleming, W. W., 20:129–49
Freireich, E. J., 19:547–57
Freis, E. D., 19:13–23
Fuller, R. W., 20:111–27

G

Genest, J., 16:287–308
Gillespie, J. R., 16:465–86
Gillin, J. C., 18:563–79
Glass, D. B., 20:363–88
Goldberg, L. I., 18:57–79
Goldberg, S. R., 18:313–39
Goldman, P., 18:523–39
Goldstein, E., 16:447–63
Gordan, G. S., 18:253–68
Gosselin, R. E., 16:189–99
Green, T. P., 19:285–322
Greenblatt, D. J., 19:347–56
Grob, D., 16:215–29
Guidotti, A., 19:531–45
Gundersen, C. B. Jr., 20:307–36
Guthrie, G. P. Jr., 16:287–308

H

Hackney, J., 16:465–86
Hait, W. N., 17:441–77
Hamelink, J. L., 17:167–77
Hammond, P. B., 17:197–214
Harden, T. K., 17:575–604
Hart, J. S., 17:529–43
Haskell, C. M., 17:179–95
Heagy, W., 17:243–58
Hedqvist, P., 17:259–79
Heppner, G. H., 16:367–79
Hiller, J. M., 18:371–94
Hirschowitz, B. I., 19:203–44
Hoebel, B. G., 17:605–21
Hoeprich, P. D., 18:205–31
Hoffman, B. B., 20:581–608
Holcenberg, J. S., 17:97–116
Hollenberg, N. K., 19:559–82
Hook, J. B., 19:491–509
Hornykiewicz, O., 17:545–59
Howard, B. D., 20:307–36
Huffman, D. H., 16:53–66
Hughes, J., 19:245–67

I

Israili, Z. H., 19:25–52

J

Jacobson, H. R., 16:201–14; 17:623–46
Johnston, G. A. R., 18:269–89
Jordan, G. W., 16:447–63

K

Kaufman, H. E., 20:415–28
Kehoe, J. S., 16:245–68
Kissman, H. M., 20:285–305
Knoll, J., 16:487–502
Kohli, J. D., 18:57–79
Kokko, J. P., 16:201–14
Kosterlitz, H. W., 19:1–12
Krebs, E. G., 20:363–88
Kristensson, K., 18:97–110

Kuchel, O., 16:287–308
Kunos, G., 18:291–311
Kuo, J. F., 19:341–55
Kuo, W.-N., 18:341–55
Kushner, W., 19:105–27

L

Lampe, K. F., 19:85–104
Laskowski, M. B., 17:387–409
Laties, V. G., 19:357–92
Law, P. Y., 20:201–34
Leader, B., 20:415–28
Leake, C. D., 16:1–14; 503–10; 17:677–82; 18:581–88
Lefkowitz, R. J., 20:581–608
Lemberger, L., 20:151–72
Lenhoff, H. M., 17:243–58
Levine, W. G., 18:81–96
Levy, R. I., 17:499–510
Lindstrom, J., 20:337–62
Livingston, R. B., 17:529–43
Lomax, P., 17:341–53
Loh, H. H., 20:201–34
Loughnan, P. M., 16:427–45
Lu, A. Y. H., 20:513–31

M

Maas, J. W., 17:411–24
MacKenzie, M. R., 16:447–63
Magazanik, L. G., 16:161–75
Maibach, H., 16:401–11
Mandell, A. J., 18:461–93
Marder, E., 16:245–68
Maren, T. H., 16:309–27
Martin, J. B., 18:111–23
Massry, S. G., 17:67–82
McMahon, F. G., 19:469–90
McPhillips, J. J., 18:541–61
Melby, J. C., 17:511–27
Mendelson, W. B., 18:563–79
Merigan, W. H., 19:357–92
Metzger, H., 19:427–45
Minneman, K. P., 16:33–51
Mirkin, B. L., 19:285–322
Miwa, G. T., 20:513–31
Molinoff, P. B., 17:575–604
Morley, J. S., 20:81–110
Morrelli, H. F., 17:293–309
Murphy, P. J., 20:609–21
Myers, R. D., 18:125–44

N

Naraghi, M., 17:223–42
Needleman, P., 16:81–93
Neims, A. H., 16:427–45
Nelson, K. W., 16:95–100
Nickander, R., 19:469–90

O

O'Dea, R. F., 19:285–322
Osebold, J. W., 16:447–63
Otsuka, M., 17:425–39

P

Parmley, W. W., 20:475–512
Parrillo, J. E., 19:179–201
Peters, G., 19:323–45
Phalen, R. F., 16:381–99
Pinto, S. S., 16:95–100
Plaa, G. L., 16:125–41
Porter, D. Jr., 16:269–85
Prasad, A. S., 19:393–426

R

Radomski, J. L., 19:129–57
Reidenberg, M. M., 20:45–54
Resnick, R. B., 20:463–74
Richey, D. P., 17:49–65
Ridolfo, A. S., 19:469–90
Ritchie, D. M., 17:133–48
Robaire, B., 18:167–87
Roberts, J., 17:97–116
Robins, R. K., 20:259–84
Roch-Ramel, F., 19:323–45
Roth, S. H., 19:159–78
Routledge, P. A., 19:447–68

S

Samson, F. E., 16:143–59
Sanders, C. C., 19:53–83
Sanders, W. E. Jr., 19:53–83
Sarna, S., 18:145–66
Schou, M., 16:231–43
Schuyten-Resnick, E., 20:463–74
Schwartz, J.-C., 17:325–39
Schwartz, L. W., 16:381–99
Scriabine, A., 16:113–23; 19:269–84
Segaloff, A., 20:429–39
Seldin, D. W., 17:623–46
Shand, D. G., 19:447–68
Shoji, M., 18:341–55
Sidwell, R. W., 20:259–84
Simon, E. J., 18:371–94
Sitaram, N., 18:563–79
Smith, P. H., 16:269–85
Smith, R. A., 20:259–84
Smith, R. P., 16:189–99
Smolen, V. F., 18:495–522
Spacie, A., 17:167–77
Spealman, R. D., 18:313–39
Steele, T. H., 17:11–25
Steiner, A. L., 18:431–59
Strebel, L., 17:561–73
Sullivan, H. R., 20:609–21
Sweet, C. S., 16:111–23

T

Takahashi, T., 17:425–39
Tardiff, R. G., 18:357–69
Temple, A. R., 17:215–22
Terenius, L., 18:189–204
Terry, L. C., 18:111–23
Tomatis, L., 19:511–30
Toothaker, R. D., 20:173–99
Trifaró, J. M., 17:27–47
Tyler, W. S., 16:381–99

V

Van Stee, E. W., 16:67–78; 17:83–95
Volkman, P. H., 18:57–79
Voorhees, J. J., 20:235–57

W

Wall, M. E., 17:117–32
Wani, M. C., 17:117–32
Warner, M., 16:427–45
Washton, A. M., 20:463–74
Way, E. L., 19:583–88; 20:553–79, 623–30
Weisburger, E. K., 18:395–415
Weiss, B., 17:441–77
Welling, P. G., 20:173–99
Williams, R. L., 20:389–413
Wilson, A. F., 16:465–86; 18:541–61
Winters, W. D., 16:413–26
Witschi, H., 16:125–41
Wolfe, B. B., 17:575–604
Wurtman, R. J., 16:33–51
Wyatt, R. J., 18:563–79

Z

Zbinden, G., 16:177–88
Zimmerman, T. J., 20:415–28

# CHAPTER TITLES, VOLUMES 16–20


| | | |
|---|---|---|
| **PREFATORY CHAPTERS** | | |
| How I Am | C. D. Leake | 16:1–14 |
| A Career or Two | K. H. Beyer Jr. | 17:1–10 |
| The Best Laid Schemes O'Mice an' Men Gang Aft Agley | H. W. Kosterlitz | 19:1–12 |
| My Path to Pharmacology | H. K. F. Blaschko | 20:1–14 |
| **ALLERGY AND DRUG SENSITIVITY** | | |
| Cutaneous Pharmacology and Toxicity | H. Maibach | 16:401–11 |
| **ANESTHETICS, ANALGESICS, AND ANTI-INFLAMMATORY AGENTS** | | |
| Effects of Drugs on the Electrical Activity of the Brain: Anesthetics | W. D. Winters | 16:413–26 |
| The Pharmacologic Principles of Regional Pain Relief | J. Adriani, M. Naraghi | 17:223–42 |
| Endogenous Peptides and Analgesia | L. Terenius | 18:189–204 |
| Physical Mechanisms of Anesthesia | S. H. Roth | 19:159–78 |
| Nonsteroidal Anti-Inflammatory Agents | R. Nickander, F. G. McMahon, A. S. Ridolfo | 19:469–90 |
| Metal Ion Interactions with Opiates | David B. Chapman and E. Leong Way | 20:553–79 |
| Assessment of Narcotic Antagonists in the Treatment of Opioid Dependence | Richard B. Resnick, Elaine Schuyten-Resnick, and Arnold M. Washton | 20:463–74 |
| **ANTIMICROBIAL, ANTIVIRAL, AND ANTIPARASITIC CHEMOTHERAPY** | | |
| Chemotherapy of Human Intestinal Parasitic Diseases | R. D. Botero | 18:1–15 |
| Chemotherapy of Systemic Fungal Diseases | P. D. Hoeprich | 18:205–31 |
| Toxicity of Antibacterial Agents: Mechanism of Action on Mammalian Cells | W. E. Sanders, Jr., C. C. Sanders | 19:53–83 |
| Antiviral Mechanisms of Action | Roberts A. Smith, Robert W. Sidwell, and Roland K. Robins | 20:259–84 |
| **AUTONOMIC PHARMACOLOGY** | | |
| Basic Mechanisms of Prostaglandin Action on Autonomic Neurotransmission | P. Hedqvist | 17:259–79 |
| Small Intensely Fluorescent (SIF) Cells and Nervous Transmission in Sympathetic Ganglia | O. Eränkö | 18:417–30 |
| β-Adrenoceptor Blocking Drugs in Hypertension | A. Scriabine | 19:269–84 |
| Radioligand Binding Studies of Adrenergic Receptors: New Insights into Molecular and Physiological Regulation | Brian B. Hoffman and Robert J. Lefkowitz | 20:581–608 |
| **BEHAVIORAL AND PSYCHOPHARMACOLOGY** | | |
| Behavioral Pharmacology and Toxicology | G. Bignami | 16:329–66 |
| Psychopharmacological Implications of Dopamine and Dopamine Antagonists: A Critical Evaluation of Current Evidence | O. Hornykiewicz | 17:545–59 |
| Pharmacologic Control of Feeding | B. G. Hoebel | 17:605–21 |
| Drugs and Reinforcement Mechanisms: A Critical Review of the Catecholamine Theory | H. C. Fibiger | 18:37–56 |

| | | |
|---|---|---|
| Psychopharmacology of Alcohol | R. D. Myers | 18:125–44 |
| Drug Self-Administration by Laboratory Animals: Control by Schedules of Reinforcement | R. D. Spealman, S. R. Goldberg | 18:313–39 |
| The Neuropharmacology of Sleep and Wakefulness | J. C. Gillin, W. B. Mendelson, Sitaram, R. J. Wyatt | 18:563–79 |
| Behavioral Effects of Carbon Monoxide on Animals and Man | V. G. Laties, W. H. Merigan | 19:357–92 |
| **CANCER CHEMOTHERAPY AND IMMUNOPHARMACOLOGY** | | |
| Selective Suppression of Humoral Immunity by Antineoplastic Drugs | G. H. Heppner, P. Calabresi | 16:367–79 |
| Immunologic Aspects of Cancer Chemotherapy | C. M. Haskell | 17:179–95 |
| Thymic Hormones: Biochemistry, and Biological and Clinical Activities | J.-F. Bach | 17:281–91 |
| Ethical Considerations in Cancer Chemotherapy | E. J. Freireich | 19:547–57 |
| Pharmacological Receptor Determination in Endocrine Therapy of Breast Cancer | Albert Segaloff | 20:429–39 |
| **CARDIOVASCULAR PHARMACOLOGY** | | |
| Central Noradrenergic Control of Blood Pressure | A. Scriabine, B. V. Clineschmidt, C. S. Sweet | 16:113–23 |
| Evaluation of Thrombogenic Effects of Drugs | G. Zbinden | 16:177–88 |
| Renin and the Therapy of Hypertension | G. P. Guthrie Jr., J. Genest, O. Kuchel | 16:287–308 |
| Pharmacological Basis for Combination Therapy of Hypertension | C. T. Dollery | 17:311–23 |
| The Effect of Hypolipidemic Drugs on Plasma Liproproteins | R. I. Levy | 17:499–510 |
| A Comparison of the Vascular Dopamine Receptor with Other Dopamine Receptors | L. I. Goldberg, P. H. Volkman, J. D. Kohli | 18:57–79 |
| Salt in Hypertension and the Effects of Diuretics | E. D. Freis | 19:13–23 |
| Vasodilator Therapy for Chronic Heart Failure | Kanu Chatterjee and William W. Parmley | 20:475–512 |
| **CLINICAL TOXICOLOGY AND DRUG INTERACTIONS** | | |
| Current Concepts About the Treatment of Selected Poisonings: Nitrate, Cyanide, Sulfide, Barium, and Quinidine | R. P. Smith, R. E. Gosselin | 16:189–99 |
| Vitamin Toxicity | J. R. DiPalma, D. M. Ritchie | 17:133–48 |
| Poison Control Centers: Prospects and Capabilities | A. R. Temple | 17:215–22 |
| Cardiovascular Drug Interactions | D. C. Brater, H. F. Morrelli | 17:293–309 |
| **COMPARATIVE PHARMACOLOGY** | | |
| Fish and Chemicals: The Process of Accumulation | J. L. Hamelink, A. Spacie | 17:167–77 |
| Aquatic Invertebrates: Model Systems for Study of Receptor Activation and Evolution of Receptor Proteins | H. M. Lenhoff, W. Heagy | 17:243–58 |
| **ELECTROLYTES AND MINERAL METABOLISM** | | |
| Pharmacology and Toxicology of Lithium | M. Schou | 16:231–43 |
| Pharmacology of Magnesium | S. G. Massry | 17:67–82 |
| Proximal Tubular Reabsorption and Its Regulation | H. R. Jacobson, D. W. Seldin | 17:623–46 |
| Clinical, Biochemical, and Pharmacological Role of Zinc | A. S. Prasad | 19:393–426 |
| **ENDOCRINE PHARMACOLOGY** | | |
| The Pharmacology of the Pineal Gland | K. P. Minneman, R. J. Wurtman | 16:35–51 |

| | | |
|---|---|---|
| Neuropharmacology of the Pancreatic Islets | P. H. Smith, D. Porte Jr. | 16:259–85 |
| Clinical Pharmacology of Systemic Corticosteroids | J. C. Melby | 17:511–27 |
| Drug Treatment of the Osteoporoses | G. S. Gordan | 18:253–68 |
| Mechanisms of Glucocorticoid Action on Immune Processes | J. E. Parrillo, A. S. Fauci | 19:179–201 |
| **ENVIRONMENTAL AND INDUSTRIAL PHARMACOLOGY AND TOXICOLOGY** | | |
| Toxicology of Inhalation Anesthetics and Metabolites | E. W. Van Stee | 16:67–79 |
| Arsenic Toxicology and Industrial Exposure | S. S. Pinto, K. W. Nelson | 16:95–100 |
| Chemicals, Drugs, and Lipid Peroxidation | G. L. Plaa, H. Witschi | 16:125–41 |
| Morphological Methods for Evaluation of Pulmonary Toxicity in Animals | D. L. Dungworth, R. F. Phalen, L. W. Schwartz, W. S. Tyler | 16:381–99 |
| Methods for Evaluating the Toxicological Effects of Gaseous and Particulate Contaminants on Pulmonary Microbial Defense Systems | E. Goldstein, G. W. Jordan, J. W. Osebold, M. R. MacKenzie | 16:447–63 |
| Evaluation of Abnormal Lung Functions | A. F. Wilson, R. D. Fairshter, J. R. Gillespie, J. Hackney | 16:465–86 |
| Toxicology of Haloalkane Propellants and Fire Extinguishants | K. C. Back, E. W. Van Stee | 17:83–95 |
| Exposure of Humans to Lead | P. B. Hammond | 17:197–214 |
| In Vitro Methods of Toxicity Evaluation | R. G. Tardiff | 18:357–69 |
| The Primary Aromatic Amines: Their Biological Properties and Structure-Activity Relationships | J. L. Radomski | 19:129–57 |
| The Predictive Value of Rodent Carcinogenicity Tests in the Evaluation of Human Risks | L. Tomatis | 19:511–30 |
| Information Retrieval in Toxicology | Henry M. Kissman | 20:285–305 |
| **GASTROINTESTINAL PHARMACOLOGY** | | |
| Gastrointestinal Pharmacology | T. F. Burks | 16:15–31 |
| Pharmacology of Laxatives | H. J. Binder | 17:355–67 |
| H-2 Histamine Receptors | B. I. Hirschowitz | 19:203–44 |
| **HISTORY AND HIGHLIGHTS OF PHARMACOLOGY** | | |
| History and Highlights of Pharmacology in Hungary | J. Knoll | 16:487–502 |
| Ethnopharmacology of Sacred Psychoactive Plants Used by the Indians of Mexico | J. L. Diaz | 17:647–75 |
| **MECHANISMS OF ACTION OF DRUGS AND CHEMICALS** | | |
| Common Mechanisms of Hormone Secretion | J. M. Trifaro | 17:27–47 |
| In Vitro Study of $\beta$-Adrenergic Receptors | B. B. Wolfe, T. K. Harden, P. B. Molinoff | 17:575–604 |
| Adrenoceptors | G. Kunos | 18:291–311 |
| Molecular and Physiopathologic Aspects of Mammalian Cyclic GMP-Dependent Protein Kinase | J. F. Kuo, M. Shoji, W.-N. Kuo | 18:341–55 |
| Early Molecular Events in Antigen-Antibody Cell Activation | H. Metzger | 19:427–45 |
| Psoralen Photochemotherapy of Cutaneous Disorders | Thomas F. Anderson and John J. Voorhees | 20:235–57 |
| Neurotoxins That Act on Voltage-Sensitive Sodium Channels in Excitable Membranes | William A. Catterall | 20:15–43 |
| Protein Phosphorylation Catalyzed by Cyclic AMP-Dependent and Cyclic GMP-Dependent Protein Kinases | David B. Glass and Edwin G. Krebs | 20:363–88 |

| | | |
|---|---|---|
| **METABOLIC FATE OF DRUGS AND CHEMICALS** | | |
| Developmental Aspects of the Hepatic Cytochrome P450 Monooxygenase System | A. H. Neims, M. Warner, P. M. Loughman, J. V. Aranda | 16:427–45 |
| Pharmacokinetic Consequences of Aging | D. P. Richey, A. D. Bender | 17:49–65 |
| Developmental Aspects of Drug Conjugation, with Special Reference to Glucuronidation | G. J. Dutton | 18:17–35 |
| Biochemical Pharmacology of the Intestinal Flora | P. Goldman | 18:523–39 |
| Correlation of Pharmacological Effects with Plasma Levels of Antihypertensive Drugs in Man | Z. H. Israili | 19:25–52 |
| Presystemic Drug Elimination | P. A. Routledge, D. G. Shand | 19:447–68 |
| Molecular Properties and Biological Functions of Microsomal Epoxide Hydrase | Anthony Y. H. Lu and Gerald T. Miwa | 20:513–31 |
| **MISCELLANEOUS** | | |
| Enzymes as Drugs | J. S. Holcenberg, J. Roberts | 17:97–116 |
| Advances in Ocular Pharmacology | Thom J. Zimmerman, Barry Leader, and Herbert E. Kaufman | 20:415–28 |
| **NEUROMUSCULAR PHARMACOLOGY** | | |
| Use of Drugs in Myopathies | D. Grob | 16:215–29 |
| The Pharmacology of Experimental Myopathies | M. B. Laskowski, W.-D. Dettbarn | 17:387–409 |
| The Opiate Receptors | E. J. Simon, J. M. Hiller | 18:371–94 |
| Mechanisms of Chemical Carcinogenesis | E. K. Weisburger | 18:395–415 |
| Compartmentalization of Cyclic Nucleotide-Mediated Hormone Action | H. S. Earp, A. L. Steiner | 18:431–59 |
| Biology of Myasthenia Gravis | Jon Lindstrom and Peter Dau | 20:337–62 |
| **NEUROPHARMACOLOGY AND NEUROCHEMISTRY** | | |
| Neurotoxic Indoleamines and Monoamine Neurons | H. G. Baumgarten, A. Bjorklund | 16:101–11 |
| Pharmacology of Drugs That Affect Intracellular Movement | F. E. Samson | 16:143–59 |
| Functional Properties of Postjunction Membrane | L. G. Magazanik | 16:161–75 |
| Identification and Effects of Neural Transmitters in Invertebrates | J. S. Kehoe, E. Marder | 16:245–68 |
| Pharmacologic Control of Temperature Regulation | B. Cox, P. Lomax | 17:341–53 |
| Pharmacologic Implications of Brain Acetylcholine Turnover Measures in Rat Brain Nuclei | D. L. Cheney, E. Costa | 17:369–86 |
| The Effects of Psychopharmacological Agents on Central Nervous System Amine Metabolism in Man | J. W. Maas | 17:411–24 |
| Putative Peptide Neurotransmitters | M. Otsuka, T. Takahashi | 17:425–39 |
| Retrograde Transport of Macromolecules in Axons | K. Kristensson | 18:97–110 |
| Hypothalamic Hormones Subcellular Distribution and Mechanisms of Release | L. C. Terry, J. B. Martin | 18:111–23 |
| Pharmacology of Hearing and Ototoxicity | R. D. Brown, A. M. Feldman | 18:233–52 |
| Neuropharmacology of Amino Acid Inhibitory Transmitters | G. A. R. Johnston | 18:269–89 |
| Redundant Mechanisms Regulating Brain Tyrosine and Tryptophan Hydroxylases | A. J. Mandell | 18:461–93 |
| Biology of Opioid Peptides | A. Beaumont, J. Hughes | 19:245–67 |
| Molecular Mechanisms in the Receptor Action of Benzodiazepines | E. Costa, A Guidotti | 19:531–45 |
| Chemical Pathology of Huntington's Disease | Edward D. Bird | 20:533–51 |

| | | |
|---|---|---|
| Pharmacology of Central Serotonin Neurons | Ray W. Fuller | 20:111–27 |
| The Role of Membrane Lipids in Receptor Mechanisms | Horace H. Loh and P. Y. Law | 20:201–34 |
| **PERINATAL PHARMACOLOGY** | | |
| Pediatric Clinical Pharmacology and the "Therapeutic Orphan" | A. K. Done, S. N. Cohen, L. Strebel | 17:561–73 |
| Determinants of Drug Disposition and Effect in the Fetus | T. P. Green, R. F. O'Dea, B. L. Mirkin | 19:285–322 |
| Perinatal Renal Pharmacology | J. B. Hook, M. D. Bailie | 19:491–509 |
| **PHARMACOKINETICS, DRUG ABSORPTION, AND EXCRETION** | | |
| Therapeutic Implications of Bioavailability | D. L. Azarnoff, D. H. Huffman | 16:53–66 |
| Biliary Excretion of Drugs and Other Xenobiotics | W. G. Levine | 18:81–96 |
| Bioavailability and Pharmacokinetic Analysis of Drug Responding Systems | V. F. Smolen | 18:495–522 |
| Predicting Steady State Serum Concentrations of Drugs | D. J. Greenblatt | 19:347–56 |
| Pharmacologic Interruption of the Renin-Angiotensin System | N. K. Hollenberg | 19:549–82 |
| Stable Isotopes in Pharmacokinetic Studies | P. J. Murphy and H. R. Sullivan | 20:609–21 |
| The Effect of Food on Drug Bioavailability | Roger D. Toothaker and Peter G. Welling | 20:173–99 |
| Drug Pharmacokinetics in Cardiac and Hepatic Disease | Roger L. Williams and Leslie Z. Benet | 20:389–413 |
| **PHARMACOLOGICALLY ACTIVE NATURAL SUBSTANCES** | | |
| Antineoplastic Agents From Plants | M. E. Wall, M. C. Wani | 17:117–32 |
| Histaminergic Mechanisms in Brain | J.-C. Schwartz | 17:325–39 |
| The Pharmacological Effects of Hymenoptera Venoms | R. M. Cavagnol | 17:479–98 |
| Toxic Fungi | K. F. Lampe | 19:85–104 |
| Biogenic Amine-Aldehyde Condensation Products: Tetrahydroisoquinolines and Tryptolines ($\beta$-Carbolines) | R. Dietrich and V. Erwin | 20:55–80 |
| Effects and Mechanisms of Polypeptide Neurotoxins That Act Presynaptically | Bruce D. Howard and Cameron B. Gundersen, Jr. | 20:307–36 |
| Potential Therapeutic Usefulness of Marijuana | Louis Lemberger | 20:151–72 |
| **RENAL PHARMACOLOGY** | | |
| Diuretics: Sites and Mechanisms of Action | H. R. Jacobson, J. P. Kokko | 16:201–14 |
| The Pharmacology of Renal Lithiasis | T. H. Steele | 17:11–25 |
| Micropuncture Techniques as a Tool in Renal Pharmacology | F. Roch-Ramel, G. Peters | 19:323–45 |
| Drug Therapy in Renal Failure | Marcus M. Reidenberg and Dennis E. Drayer | 20:45–54 |
| **REPRODUCTION AND FERTILITY** | | |
| Endogenous Antispermatogenic Agents: Prospects for Male Contraception | L. L. Ewing, B. Robaire | 18:167–87 |
| **REVIEW OF REVIEWS** | | |
| Review of Reviews | C. D. Leake | 16:503–10<br>17:677–82<br>18:581–88 |
| Review of Reviews | E. L.Way | 19:583–88<br>20:623–30 |
| **SMOOTH MUSCLE PHARMACOLOGY** | | |
| Organic Nitrate Metabolism | P. Needleman | 16:81–93 |
| Specific Pharmacology of Calcium in Myocardium, Cardiac Pacemakers, and Vascular Smooth Muscle | A. Fleckenstein | 17:149–66 |

| | | |
|---|---|---|
| The Generation and Conduction of Activity in Smooth Muscle | E. E. Daniel, S. Sarna | 18:145–66 |
| Pharmacological Control of Asthma | A. F. Wilson, J. J. McPhillips | 18:541–61 |
| The Electrogenic $NA^+$, $K^+$-Pump in Smooth Muscle: Physiologic and Pharmacologic Significance | William W. Fleming | 20:129–49 |

STRUCTURE-ACTIVITY RELATIONSHIPS AND MEDICINAL CHEMISTRY

| | | |
|---|---|---|
| Relations Between Structure and Biological Activity of Sulfonamides | T. H. Maren | 16:309–27 |
| Selective Cyclic Nucleotide Phosphodiesterase Inhibitors as Potential Therapeutic Agents | B. Weiss, W. N. Hait | 17:441–77 |
| Structure-Activity Relationships of Enkephalin-Like Peptides | J. S. Morley | 20:81–110 |

TECHNIQUES

| | | |
|---|---|---|
| Clinical Pharmacokinetics | A. J. Atkinson Jr., W. Kushner | 19:105–27 |
| Efficient Analysis of Experimental Observations | W. J. Dixon | 20:441–62 |